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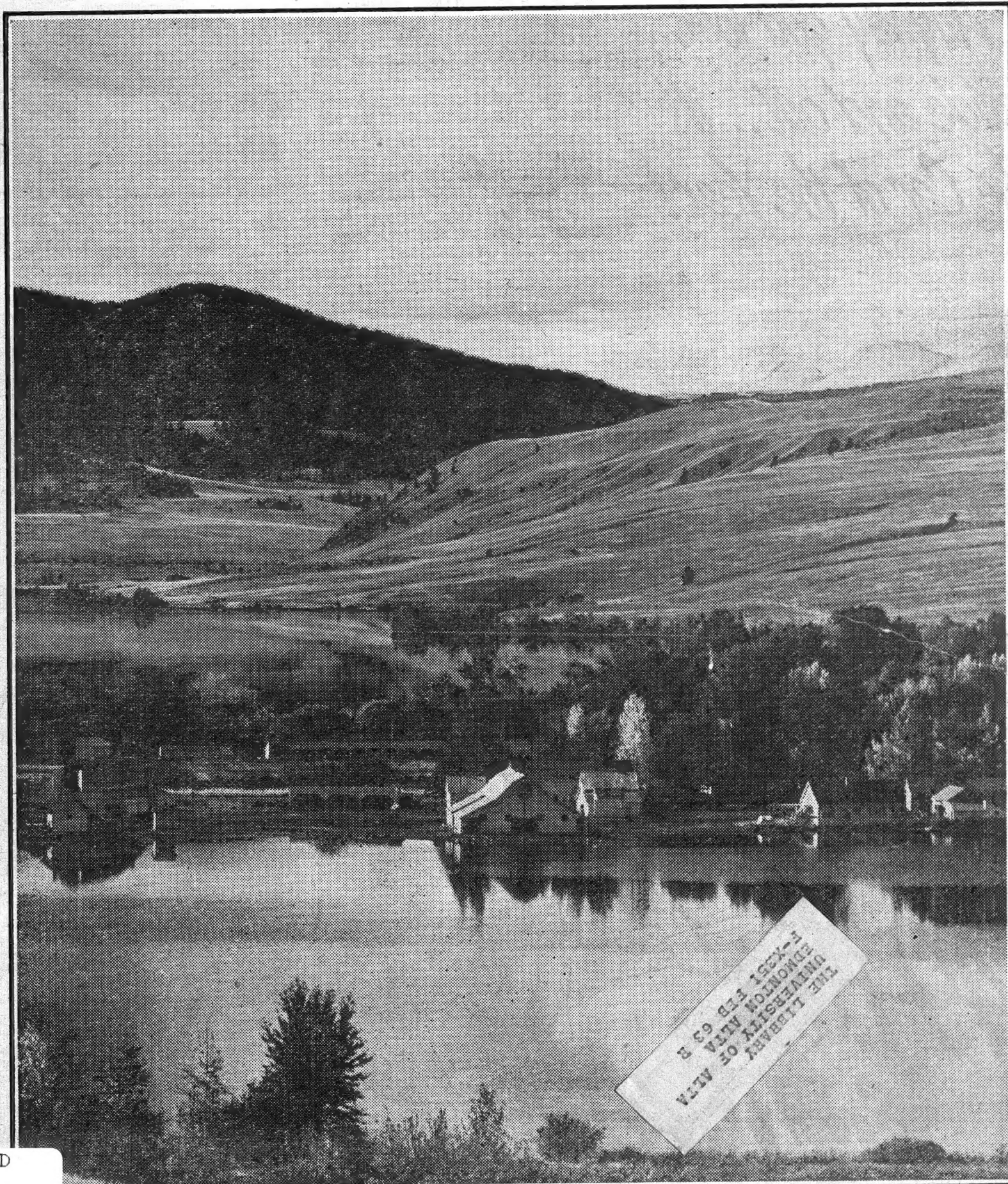
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# Farm and Ranch Review

VOLUME XLIV  
NUMBER 7

CALGARY, ALBERTA  
JULY, 1948



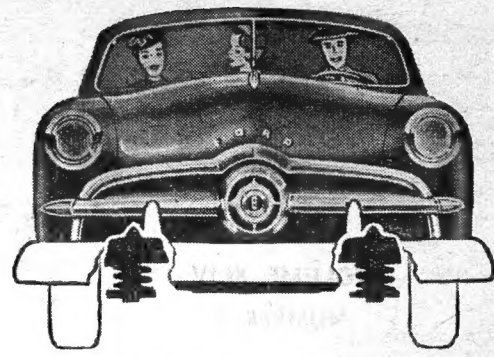
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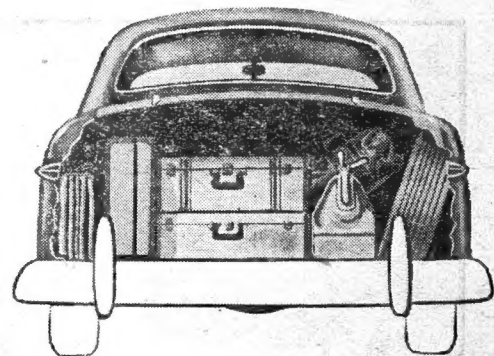
Cutaway view to show "Mid Ship" Ride . . .



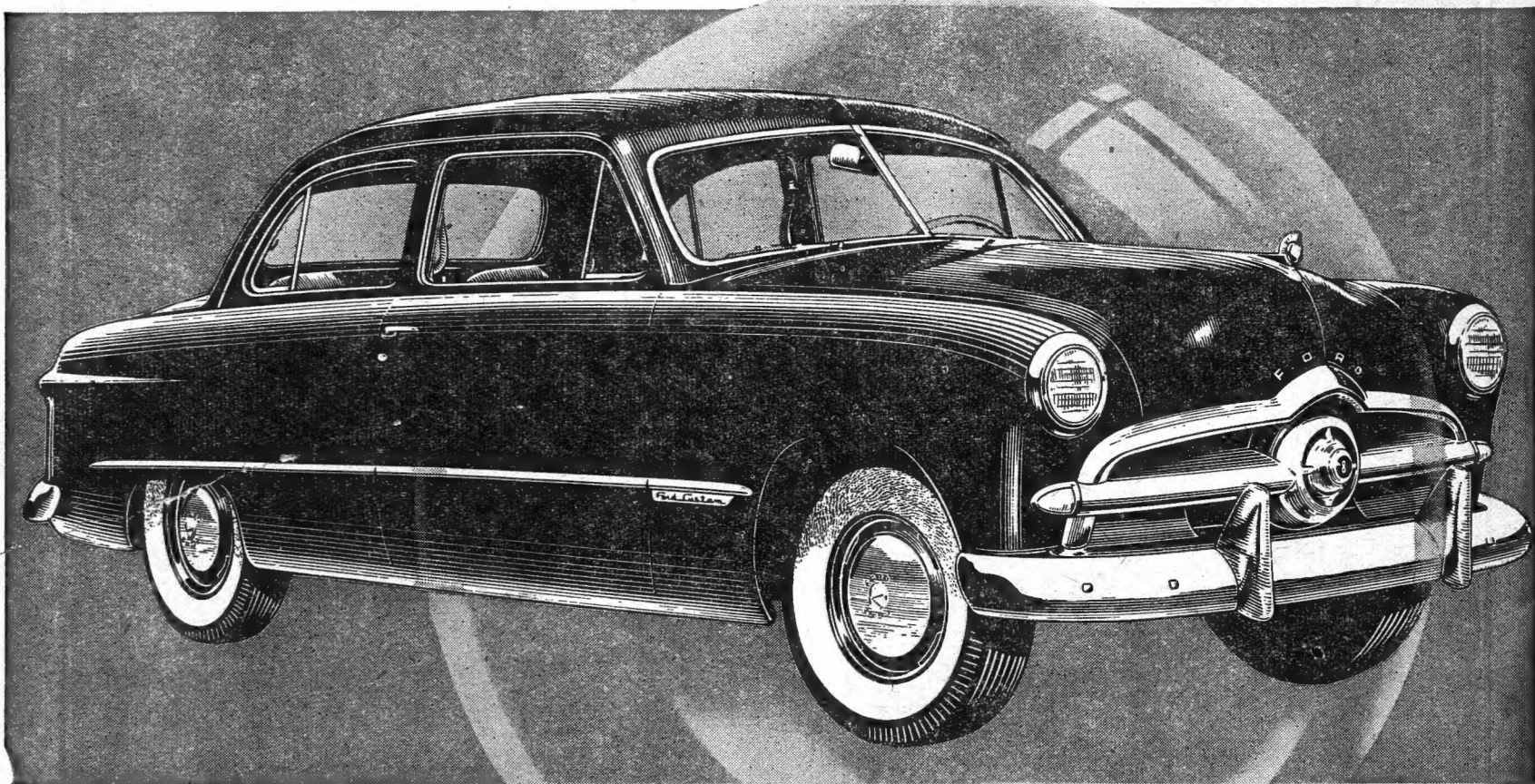
. . . "Hydra-Coil" Springs . . .

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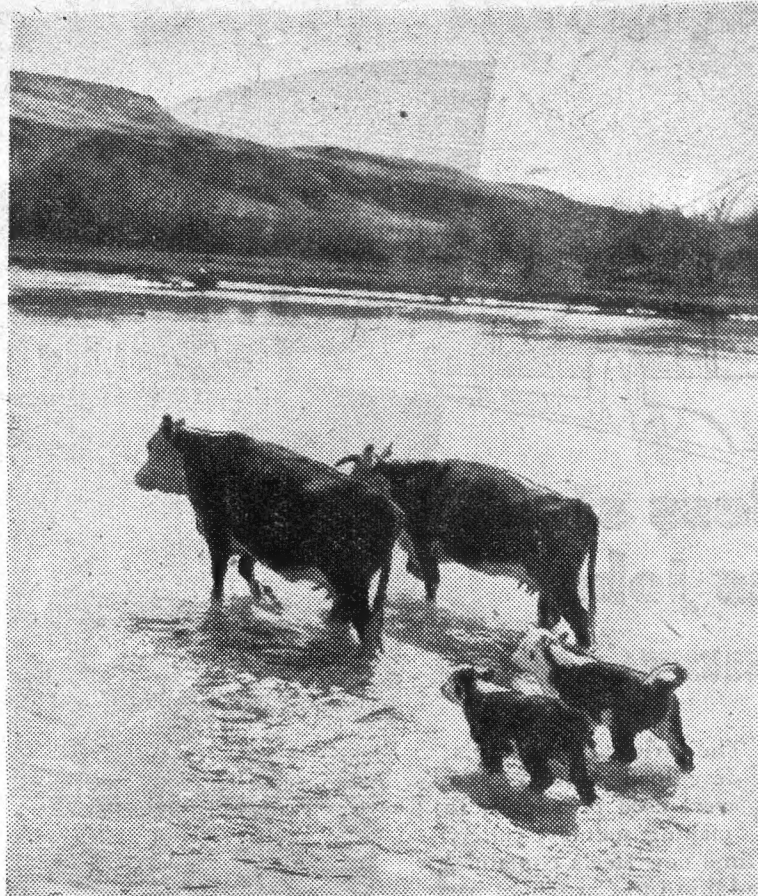
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**At Your Local  
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Review**VOL. XLIV. No. 7  
CALGARY, JULY, 1948JAMES H. GRAY, Editor  
MARTHA OLSON, Home Editor  
EASTERN ADVERTISING OFFICES  
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Toronto, Ont.  
W. H. PEIRCE, Representative**CONTENTS**

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**Our Cover For July**

This is a National Film Board Photo of the Douglas Lake Ranch at Kamloops. Comprising 500,000 acres. It normally holds 10,000 head of cattle.

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at the Post Office, Calgary, Alta.  
Member of the  
Audit Bureau of Circulations.**Quips***Punishment is a cripple, but it arrives.**Were we to take as much pains to be what we ought to be, as we do to disguise what we really are, we might appear like ourselves, without being at the trouble of any disguise at all.—LA ROCHE-FOUCAULD.**Women, deprived of the company of men, pine; men, deprived of the company of women, become stupid. — CHEKHOV.***ELECTRIC  
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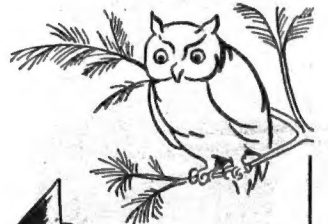
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WINNIPEG CANADA**EATON'S**



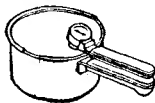
## How stainless steel makes jobs for Canadians



The early stainless steels developed prior to 1916 were used principally in making stainless cutlery. Since that time new steels containing Nickel in addition to Chromium have been developed which combine non-rusting properties with great strength and toughness.

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Rack of sheared Nickel being moved by crane to freight car.



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# Farm and Ranch Review Editorials

## Everybody's Hands In The Farmers' Pocket

**T**HE recent increase in freight rates, the increased wages awarded to railway workers, the uproar over margarine in the city newspapers and the mounting costs of farming all are part of a single piece. It's about time the farmers of the West recognized the fact.

The price-wage merry-go-round is apparently making another circle. Wages follow prices and prices follow wages, while the farmers stand on the sidelines and prepare to pay the bill. It is going to be a whopping bill. The tragedy for western farmers is that they will have to go on paying it regardless of what happens to markets for the things they produce.

The cost of living in Canadian cities is high. Make no mistake about that. City wage earners are severely pinched and have difficulty enough making ends meet. All that is reflected in the recent election and by-election results. Unfortunately, city workers driven frantic by ever rising prices look for a scapegoat and always pick out the farmer. In fact the farmer is the least to blame of all for the rising cost of living. Most of the blame belongs in the city, on the workers themselves who have forced prices up by wage increases, on manufacturers who are skimming off unprecedented profits from our national income.

What the city workers overlook too often is the fact that western farmers are also consumers. They also buy clothes and shoes and food. They are the ones at the end of the line who have to pay the shot for the whole spiral of wage-price increases.

The immediate situation is desperate enough, in all conscience. But the long-term outlook for agriculture is much worse. There has been a tremendous growth of trades unionism in Canada during the war. That is a simple statement of fact, not a complaint. The trade unions are stronger than at any time in Canadian history. That means that there is a very good chance that costs are going to be held near their present levels. Strong trades unions mean that wage reductions are difficult if not impossible to obtain, regardless of price level. If wages stay at current levels, prices are bound to stay up — for the things the farmers buy.

But there is no guarantee that farm prices can be held even at current levels. Thus the Western farmer gets the worst of all possible worlds. Tomorrow or the next day we may be forced to buy shoes and clothes for his family with \$1 wheat or 5c beef. If farm prices should decline, it will take months before there is any reduction in the cost of the things he buys.

Western farmers are not greedy. They have no desire to soak the city dwellers for the food they eat. But what must grieve all farmers deeply is the lack of either understanding or gratitude for the restraint which farmers showed during

six years of war. Throughout the war Canadian farmers got less for the things they produced than any other group or class of people in Canada. In 1942, for example, they got, according to the Bureau of Statistics, an average of 69 cents a bushel for their wheat. After three years of war, they were still getting depression level prices. Farmers will remember how painfully slow was the rise in wheat prices. By 1945 the average was up to only \$1.06.

The Government recently released some figures on farm prices. Taking the average 1935 to 1939 as 100, it reported that the average of all farm prices had risen to 232. Published in all the city newspapers, these figures will no doubt cause further discontent. What is not made clear, however, is that the 1935-39 average, upon which the index is based, was a period of sub-standard depression prices. The average price of wheat in that period, which became 100 in the index, was 68 cents a bushel. Wages in that period, however, were well up from the depression lows. In many industries, in fact, they were well above the 1926 level. For example, railway wages were cut some in the depression but restored to 1929 levels as early as 1939.

In any event, when the pinch came on city residents, they turned to anger against the farmers. That is the only conclusion to be drawn in the nationwide uproar over margarine. If there was a single newspaper in the whole country that failed to leap unto the oleo wagon with both feet it has eluded us. The effect of this campaign was to focus attention on the farmer as the villain of the piece—regardless of whether he milked a cow or shipped a pound of butter.

Butter prices were high. The utterly fraudulent impression was given that oleo was available and would force prices down. What prices? Farm prices. But what about other prices, of the things farmers also buy? Were butter prices higher in comparison than shoe prices or furniture prices or clothing prices? Of course not. Ask any farmer with small children to feed and clothe.

The non-food price level was forced up in large part by increased wages obtained by trades unions. It was forced in part by larger profit margins by the middle-men and the heavy retail mark-ups. All these factors were present from the raw material to the finished goods stage. The oleomargarine uproar served to obscure all the rest of the picture.

All these price increases affect the farmer. The cost of farming is rising steadily. And as the wage increases are passed along as price increases, in increased freight rates and heavier handling charges, the farmers' margin of profit is being steadily reduced. If, in any effort to keep his head above water, he tries to get a higher price for HIS produce, the

whole of urban Canada will be outraged. Yet there are still politicians around trying to sell the farmers on the idea that they have common interests with city trades unionists. The bill of goods, we believe, will be much harder to sell Canadian farmers after the oleomargarine agitation.

★

## A Beautiful Example

**W**HAT follows below is not an Editorial. It is a news report from the *Manitoba Co-operator*. It shows what can happen to a farmer's income under the futures market system. Read it and weep!

### Cash Rye Breaks \$1.30

"Cash rye basis in store Fort William or Port Arthur broke more than \$1.30 per bushel in price in one trading day.

"On May 29, 2 CW rye was quoted at the May price, namely, \$4.69, but with the future going off the board on May 31, the cash spread was switched to the July price, and with that option closing at \$3.38½ No. 2 CW rye closed at exactly the same level.

"In other words, a car of 2 CW rye at the Canadian Lakehead after the close of the market May 29 was quoted at \$4.69. Following the close Monday, May 31, a car of rye in the same position was quoted at only \$3.38½."

★

## Knocking a Side Issue On The Head

**I**N a singularly frank statement in the House of Commons last month, Mr. J. L. Ilsley did a great deal to strip away the hypocrisy that covered the public debate over the Austerity budget and a Customs Union with the United States.

When a Customs Union was suggested by the FARM AND RANCH REVIEW, as a possible alternative to the reactionary Abbott austerity program, hands were up-held in horror all over eastern Canada.

A Customs Union, it was said, would make Canada a powerless appendage of the United States. We would lose our independence! Our taxes and our tariff would largely be made in Washington! We would lose our freedom! Washington would call the tune and we would dance!

All this was a diversion from the argument and we said so. We pointed out, in addition, that much of the so-called freedom of action which we enjoyed was illusory; that when Washington sneezed we shivered, when Washington even whispered a tune, we danced. We pointed out that the Canadian Government had been forced to change its gold production bonus system on protest from Washington. A mere hint from Washington that it was changing its policy toward partition of Palestine was enough to change our foreign policy. Now comes Mr. Ilsley to cap the whole performance. In speaking against any tax reduction, he said:

"There is another consideration that I think ought to be placed before the house. Our income tax level now, on the average, is lower than that of the United States of America. The United States of America is taking dramatic steps for assistance in European recovery. If we this country had a stock of United States ex

(Editorial Continued on Page 24)

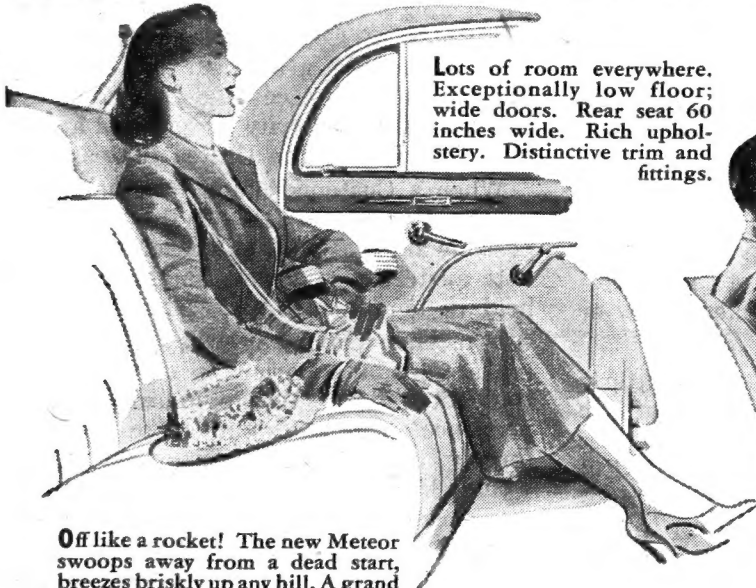


# Look A NEW CAR

...hits the LOW PRICE FIELD!

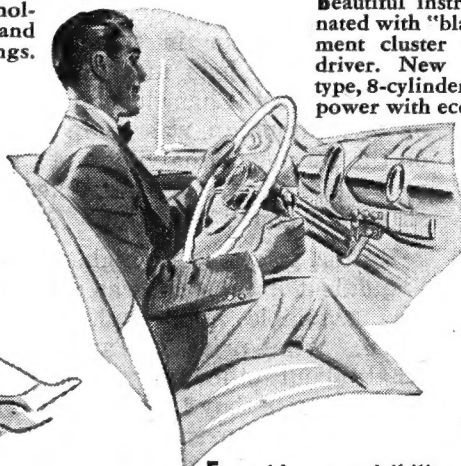


Beautiful, isn't it? Long, sweeping lines. A solid, substantial look. Only 63 inches from road to roof line. The new Meteor is the very picture of surging power and elegant grace.



Lots of room everywhere. Exceptionally low floor; wide doors. Rear seat 60 inches wide. Rich upholstery. Distinctive trim and fittings.

Off like a rocket! The new Meteor swoops away from a dead start, breezes briskly up any hill. A grand car to drive, to ride in. See it—this sensational new car in the low price field.



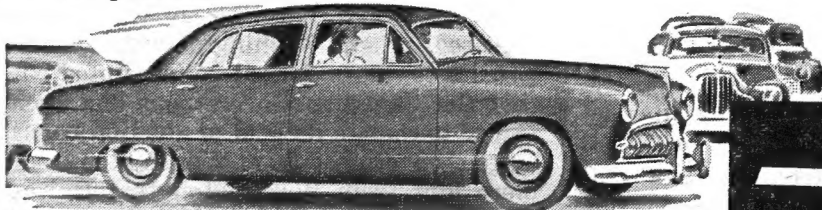
The Meteor offers wonderful ease of control. "Touch-control" steering, "Tip-Toe" braking. A pleasure to drive.

Beautiful instrument panel, illuminated with "black light", has instrument cluster directly in front of driver. New 100-horsepower, V-type, 8-cylinder engine gives smooth power with economy.



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## FOREIGN AFFAIRS COMMENTARY

# The U.S. and British Disagreement Over Israel

By BEN MALKIN

THE fundamental weakness of the United Nations — lack of unanimity among the big powers — has been exposed to view more clearly through the Palestine fighting than through any other issue that has faced the world organization during its more than three years of existence.

This lack of unanimity was, of course, clearly evident before the Palestine emergency arose. It was evident, for example, in discussions of the Greek civil war, of control of atomic energy, of admission of new states to the United Nations. Invariably, it manifested itself as a conflict between Soviet interests on the one hand, and United States - British interests on the other. But at least there was agreement between the United States and Britain on all these issues.

The importance of the Palestine conflict to the world has been the emergence of disagreement between the U.S. and Britain over the establishment of a Zionist state in the Holy Land. For the first time since 1939, the united front of the western democracies on a major world problem appeared to be cracking.

The position of Britain, from the beginning of its mandate over Palestine, was that while it would encourage the establishment of a Jewish national home in Palestine, it would do nothing which would conflict with the interests of the native population. This policy, which in seeking to please everybody has resulted in pleasing nobody, was embodied in the famous Balfour declaration.

Britain still abides by that high-sounding but impractical policy. When, two years ago, the United Nations sub-commission on Palestine recommended partition and the construction of a Zionist state, Britain refused to agree because the Arabs opposed it. Only a policy which met with the agreement of both Arabs and Jews, Britain said, would meet with her support.

Then, a year ago, when the United Nations, under great pressure from the United States, decided on Palestine partition, Britain refused to have anything to do with the solution because again the Arabs opposed it.

## Then and Now

That was her position then, and that is her position today. Churchill recently described the British government's handling of the Palestine problem as "maladroit," but after all the British government was merely being consistent in pursuing a policy that had been laid down 30 years before, inept and impractical as that policy might be.

This caused some rift between Washington and London, but it did not become serious until Britain relinquished her mandate on May 15 and heavy fighting broke out between troops of the new state of Israel and Arab troops from Transjordan, Syria, Lebanon, Iraq and Egypt who invaded the borders of Palestine.

In many quarters in the United States and elsewhere, this invasion of Palestine's borders was regarded as an act of aggression. Where Britain's difficulties entered was in her treaties with the Arab states, particularly with Transjordan. This latter country, in fact, may be regarded as a satellite of the British foreign office,

for Britain created the country, set up its King Abdullah as ruler, trained its small army, equivalent to about a division, equipped it, and agreed to continue equipping and training it. Thus, in the minds of many people abroad, a British-trained, British-sponsored force which would not even exist without British support was being used in an aggressive role in Palestine.

This was the embarrassing position in which policies of the British foreign office had placed the British government and people.

## Pressure Increases

Britain, as soon as her position became clear, immediately came under great pressure both at home and abroad to abandon her military support of the Arab states. There was pressure from the United States, but more important still, there was pressure from the public at home. Great and responsible newspapers such as the Manchester Guardian and the Times of London brought the wisdom of British policy in the Middle East into question. The Manchester Guardian urged Foreign Minister Bevin to get rid of his obsession on Palestine policy. Rank-and-file members of the parliamentary Labor party, and of the Labor party at large, expressed profound doubts as to the rightness, from the viewpoint of military advantage, of supporting the Arab cause. After all, the few hundred thousand Jews in Palestine, much to everyone's surprise, seemed to be doing not too badly against the highly-touted Arab forces.

Therefore, before the four-weeks' truce started in Palestine, a change became marked in the attitude of the British foreign office. Spokesmen for that body began to say that the treaties with the Arab states were not immutable. Britain's commitments to the United Nations, they pointed out, held priority over their commitments to the Arabs. If the United Nations should rule that the Arabs were aggressors, Britain would withdraw her support from them, which in all likelihood would cause the collapse of their invasion of Palestine.

On this new note in British policy rested the only hope for a return to the larger policy of cementing a united front of the western democracies.

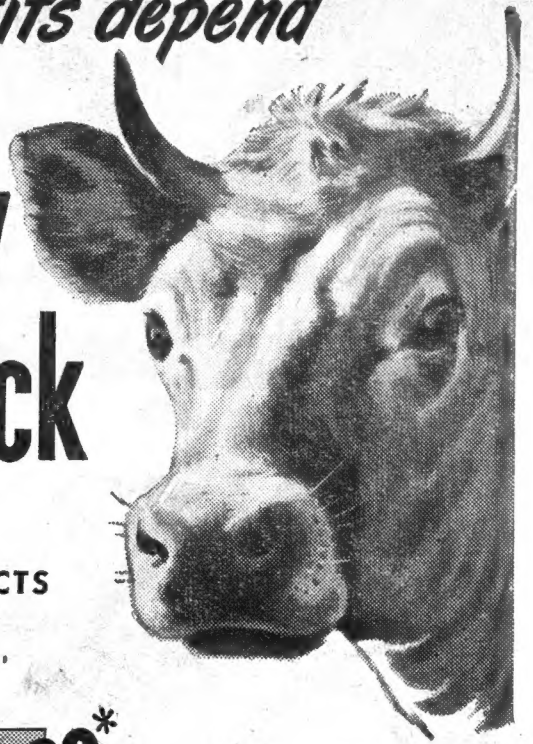
## New Swimming Pool For Wood Mountain

REGINA — Construction of a modern open-air swimming pool is now under way at Wood Mountain, in southwestern Saskatchewan, and is expected to be completed about July 15.

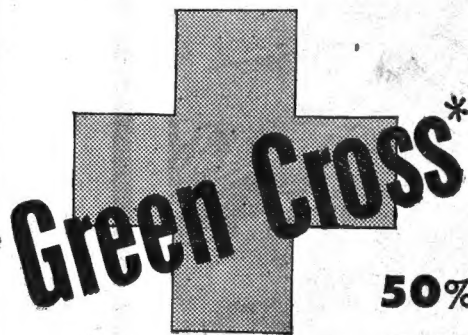
D. A. Cunningham, lands and parks director, department of natural resources, said construction of the pool was decided upon after the department found it impossible to create an artificial lake to serve the area.

A co-operative effort, the pool is being built by the Wood Mountain recreational club, with the resources department donating building supplies with the exception of gravel. Designed to serve residents of a comparatively large area, the pool will measure 40 by 80 feet, and will have a 10-foot concrete perimeter and modern bath-houses and shower facilities.

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six times International Plowing Match Champion, has this to say  
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is toughest I find Firestones show to best advantage."

Signed: FRED TIMBERS.

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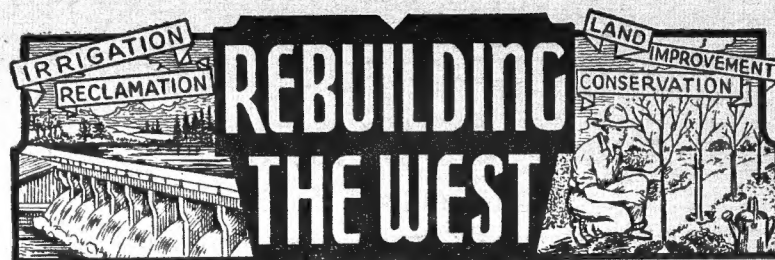
Compare the Cham-  
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design with any other  
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traction bars that are  
BOTH curved and con-  
nected — consequently  
they're the only tires  
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the tires you should  
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Grips take a "CENTER BITE"



## Are We Living In A Fool's Paradise?

By E. M. CRISFIELD

**R**EMINDING one of a giant, awak-  
ening from an age-long sleep,  
vigorous, aggressive, we hear of hi-  
therto "backward" nations and peo-  
ples, now developing natural  
resources to the utmost, water-power,  
minerals, oil, coal, timber and pro-  
ducts of a fertile soil. A short  
hundred years ago, and less, Canada's  
resources were as those of the nations  
now awakening.

What may be our comparative  
position toward these countries in a  
generation? Will our grandchildren  
be in any way dependent upon other  
lands for these very essential products  
of the good earth that we have, or are  
said to have, in such abundance today.

We should recognize that this west-  
ern land has never had an abundance  
of soil fertility. There are no re-  
serves and we are now, so soon, near-  
ing the end. Our remaining and most  
potentially rich and productive acres  
are in the semi-arid regions. The loss  
is not all due to erosion. In areas  
where there has been little or no ero-  
sion yields have declined and continue  
to do so. Soils are worn out or are  
rapidly becoming so; robbed, over-  
worked and exhausted.

We have now lost more fertile acres  
than we can ever replace with "new"  
land, there is just no appreciable  
amount of virgin land left. Wind  
and water erosion have taken and are  
still taking a ghastly toll of our soil  
heritage. Our grandchildren "will  
pay the shot".

The wide, open spaces, the mile-long  
furrow, the immediate advantage, the  
"get-rich-quick and sell-out attitude"  
have all contributed to this situation.

### The Top Problem

The problem should have top pri-  
ority with all farm organization, busi-  
ness men, loan and mortgage corpo-  
rations, municipalities, boards of trade  
and governments. The menace, and  
it actually is just that, should be a  
full-time problem for all agriculture  
officials. Of what ultimate value are  
new strains and varieties of cereals,  
improved and early maturing live-  
stock, high-producing milkers and  
poultry, new forage and pasture  
grasses or more efficient farm equip-  
ment if we do not have as a basis an  
economically productive soil?

All of which leads up to the obvi-  
ous need for more direction, instruc-  
tion, guidance and sympathetic under-  
standing help. The average farmer  
is not a pessimist, he is a realist. A  
business man may be closed out, burnt  
out or run into depression difficulties  
once, the farmer also, with the addi-  
tion of hail, drought, flood, weeds,  
soil erosion and frost not only once but  
several times during his life; any one  
of which experience has a very defi-  
nite influence on his finances and  
outlook for years after. The farmer  
is not only in need of all the reserves  
provided by the numerous branches  
of the Dominion and Provincial De-  
partments of Agriculture he demands  
them, he makes use of them, he is

entitled to such services and he pays  
for them.

But that is not enough, we must  
all of us, in every walk of life, come  
to know and appreciate the physical  
realities that confront us. Too long  
have we reckoned our supposed re-  
sources in terms of illusion; our capi-  
tal is soil, water, soil minerals, vege-  
tation and the animal life that it sup-  
ports. These are the basis of our  
existence and the measure of our  
future.

It is estimated that wind and water  
erosion alone have ruined fifty million  
acres in the United States; even more  
has been so seriously damaged that it  
will never recover its original rich-  
ness and will always need what we  
might call the "doctor's care". What  
reason have we to assume that it will  
not or could not happen here? It  
is happening.

Scientists report that it takes na-  
ture about 500 years to make one inch  
of good top soil. We do know that it  
would take more than three score  
years and ten or replace it by soil  
building, cultural practices and suit-  
able rotation. The fertile cover is  
thin, it will be needed for many  
many decades after we are gone, and  
today the destruction of that cover is  
proceeding at a speed and on a vaster  
scale, over a larger area than at any  
time in man's history.

Any country is largely a product of  
its climate and we must face the fact  
that the kind of climate that has pro-  
duced the type of soil we have in this  
country is not likely to change for a  
very long time to come. Science  
cannot help us much, there is no de-  
fence against stupidity, selfishness and  
indifference that science can provide.  
The damage that has been done the  
soil is for all economic purposes final  
and irreparable. It would take hun-  
dreds of dollars per acre to repair the  
damage, and that over a period of  
time that would be far beyond our  
life span. We will have to make the  
best of what fertility remains in the  
depleted acres, restore as much as pos-  
sible and prevent further destruction.

Comparisons are frequently mislead-  
ing and the soil erosion and soil con-  
servation of other lands are not com-  
parable with ours. Some are more  
favorably situated for ultimate recov-  
ery than we are. Temperature and  
moisture conditions are allies to re-  
covery, the fertility reserve was  
originally and remains greater. We  
have not the wide choice of alternative  
conservation practices that the clima-  
tic and soil conditions make possible  
in some other countries. Of all the  
nations we can least afford to dissi-  
pate our soil and appear to be the  
least aware of that unalterable cir-  
cumstance.

We all, believe it or not, face the  
problem of saving the remaining good  
lands and restoring as far as possible  
the severely impoverished areas before  
it is too late as it now is in some

(Continued on page 9)



(Continued from page 8)

lands. World population is increasing and productive areas decreasing, that process is going on continuously and rapidly. If we fully realize the ultimate consequence to our country it may not yet be too late.

## Farmers Will Benefit By Reforestation

CANADA'S largest forestation plan of its kind is under way at the Indian Head and Sutherland, Sask., Dominion Department of Agriculture forest nursery stations.

The two stations sent out more than 200,000 tree seedlings a day to prairie farmers within the region stretching from Winnipeg to the Peace River country.

In all, approximately 6,250,000 seedlings were shipped to roughly 6,000 farmers for windbreak and other purposes. At Indian Head 20 men have been taken on in addition to the regular staff for the 30-day shipping period, packing the seedlings in sphagnum moss, then wrapping them in burlap before loading them aboard freight cars bound for all parts of the prairie provinces.

Broadleaf tree seedlings are the dominant choice, officials said, including Manitoba maple, green ash, white elm, carragana, Russian poplar, poplar hybrids, cottonwood and willow varieties. These account for approximately 6,000,000 of the total being shipped.

Conifer seedlings, like white spruce, Colorado spruce, balsam fir, scots pine, jack pine and lodgepole pine make up the balance.

Broadleaf seedlings are usually packed 1,000 to a bale and weigh about 40 pounds. Conifer, or evergreen, seedlings average 50 to a bale and weigh between 15 to 20 pounds a bale.

Farmers receiving seedlings pay only the express charges, except in the case of evergreens, when they pay an additional \$1 a 100 to help cover the extra expense involved in raising them.

Start of the shipping period depends pretty well on when the frost gets out of ground, so that evergreen transplants can be lifted. Earliest start was made in 1928, on April 5.

## First Forest Farm Now Supports 27 Families

FIRST forest farm project in Saskatchewan has been set up by the provincial government in the Fort a la Corne forest, 40 miles east of Prince Albert, and is supporting 27 families on a year-round basis. The project has been in operation for a year on an experimental basis and has proven successful.

It is located in a 100-square-mile section of the west end of the provincial forest and is a plan for the selective cutting and sustained yield of the timber to help place the local economy on a stable basis. Other projects are planned for the east end area, and for the Candle Lake provincial forest, 50 miles northeast of Prince Albert, when reconnaissance surveys, now under way are completed.

The people in the new project area take out their permits and do their cutting on an individual basis; but are assisted by the resources department in choosing timber for removal. A timber cruiser has been stationed in the area to mark all trees for removal and to help plan production.

## Sprinkler Irrigation Is In The Offing

THE most common objection of prairie farmers to the use of irrigation is the work involved in leveling, ditching, and otherwise preparing land for water. To this common objection may be added the problems of seepage from too much water when it is applied by the open ditch method, of waste of water where supplies are limited, and of the difficulty of obtaining experienced irrigators. All these difficulties and problems may be overcome by the use of sprinkler irrigation systems utilizing light aluminum pipe.

The introduction of aluminum pipe into irrigation practices is largely a post-war development. The light metals came forward rapidly in war and are now finding new uses in peace. Aluminum piping is cheaper than ordinary steel piping, and is so light in weight that it may be handled without difficulty. Flexible couplings have been developed to remove the necessity of the ordinary threaded couplings.

Mr. E. L. Gray, Superintendent of Water Development, P.F.R.A., speaking to the Northern Saskatchewan Branch of the Agricultural Institute of Canada in Saskatoon on May 7, advised that a number of sprinkler systems would be established in Western Canada this year, particularly in the Swift Current and Lethbridge regions. He prophesied a very wide use of aluminum sprinkler systems on the prairies, particularly in connection with dugouts and small reservoirs where the supply of water is limited; irrigation by sprinkler system instead of by the open ditch saves at least 50% of the water.

Hog numbers are in a decline in Denmark, the number being given at 1,470,000 in an animal census taken a few weeks ago. In six weeks' time the reduction was 130,000.

In 1946 only 7 per cent of prairie farms were equipped with electric power according to the Dominion Bureau of Statistics. Of the 269,000 occupied farms only a little over 19,000 had such power.

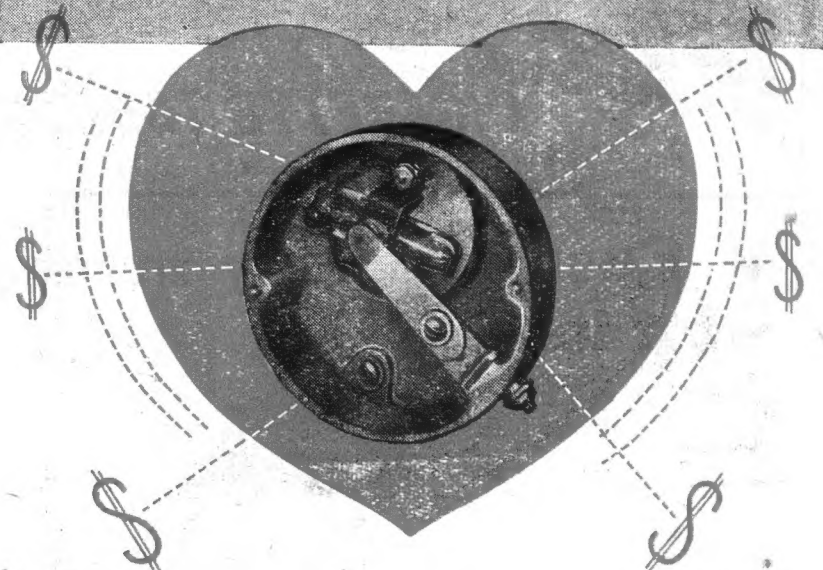
The district field officer is also located in the vicinity.

"The forest farm is part of the over-all forestry conservation program, and has two specific purposes," said Hon. J. L. Phelps, "first to rejuvenate the forest, and second, to provide a decent livelihood for the people there."

The Fort a la Corne forest, consisting mainly of jackpine timber, has been depleted by fire and overcutting in the past, and only by scientific planning and by the project under way, can it be rejuvenated, said the minister.

Forest products being removed from the farm are ties, lumber, boxwood, fuelwood and fence posts. They are being marketed through the Saskatchewan Timber Board, which has established a piling yard there. At present the production plan calls for removal of the inferior and diseased species, leaving the better quality products as a base for future development. A private operator has established a mill to process the products.

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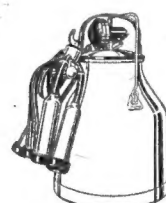
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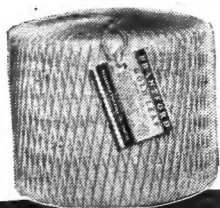
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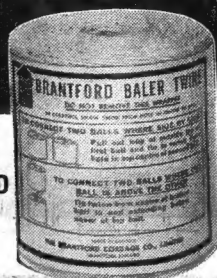
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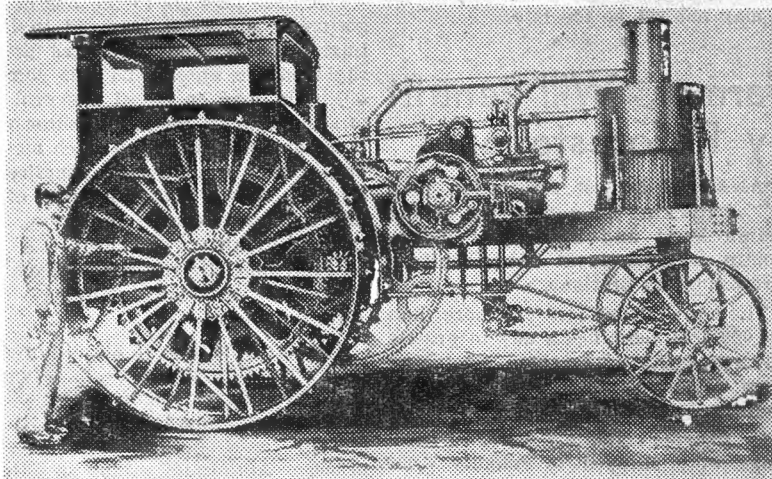
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3-48

## New Museum Is Started To Collect Pioneer Relics



REGINA:—The people of Saskatchewan and the other western provinces in a few years will have a complete history of prairie farm machinery and development, with museum pieces illustrating the transition from the days of the prairie pioneer up to the present.

This unusual museum collection will take about five years to complete. Final location of the museum has not yet been decided upon, but at present exhibits are being reconditioned and stored at North Battleford and Yorkton.

The project's sponsor, Hon. J. L. Phelps, minister of natural resources for Saskatchewan, said recently that a number of relics had already been purchased or donated by prairie residents, with scores of letters received from others in the four western provinces and Ontario offering further additions to the collection.

Among the exhibits are machines representative of every phase of western development, ranging from early harvesting machines to log haulers used in 1910 in lumbering operations around Big River in northern Saskatchewan. Included is a flail and cradle which harvested 25 bushels of grain a day, but was relegated to the past by successive advances culminating in the modern combine, which can thresh up to 2,000 bushels a day.

Preparation of a number of exhibits will be completed this summer, although there is no promise the museum will be open to the general public at that time. Some exhibits are expected to be ready for public showing, however, and requests have already been made by a number of fair board officials to have a few of the historic machines placed on display at provincial fairs this year.

Considerable time and effort is required for restoration and reconditioning of the various museum pieces, and consequently only a limited number of exhibits can be completed this year. This year, particular emphasis is being placed on locating and storing exhibits to forestall further deterioration by weathering, or scrapping by junk dealers.

Advertisements have been placed in newspapers of the Kootenay and Cariboo districts of British Columbia in an effort to locate some of the famous Wells-Fargo overland coaches and express wagons which carried passengers and mail in the early days, and which were similar to the early types used elsewhere in the west.

Already obtained for the car and truck exhibits are a 1907 Reo car, a 1907 Russel car, an Avery farm truck, and a car used about 1910 in facilitating organization of western farmers

into the old Grain Growers' association. The Avery truck was supplied with an attachment for change-over to a tractor, in the form of extension steel rims for greater traction.

At the North Battleford hangar the museum pieces are assembled, reconditioned and repainted and, in the case of machines, placed in running order wherever possible.

A large percentage of the relics have been donated, some as a memorial to early Saskatchewan settlers, and in these cases metal plaques giving the donor's name and a short history of the exhibit are attached. Typical of these is a farm wagon donated by G. B. Swanson of Sifton, Sask., which was bought by his father in Regina in April, 1899, while another donation, from Mrs. Ruth Majore Sigman of Benton, Alberta, is a rocking chair brought by a bride of the early 1870's, Mrs. Amos Klinck, from Toronto to her new home near Indian Head.

...

## Two Films Shown At June Poultry Meets

A series of poultry meetings arranged by the Poultry Department of the University of Manitoba, the Extension Branch of the Department of Agriculture, and the Manitoba Approved Flock Owners' Association were held in various Manitoba towns during the month of June, announces D. C. Foster, Poultry Specialist, Manitoba Department of Agriculture.

Poultry diseases were the chief topic at each of the meetings, and a colored film entitled "Common Diseases of Poultry and Their Control," illustrated disease symptoms and suggested treatment. A film of general interest, "The Royal Winter Fair, Toronto," depicted many activities at the fair. Meetings concluded with a discussion of poultry problems in general, led by either Professor G. C. Hodgson or Professor P. A. Kondra of the University of Manitoba.

...

## Soft Water Better For Radiators

Soft water or rain is better for tractor radiators than hard water for the lime from hard water deposits as a scale on the inside of the radiator tubes causing poor circulation which prevents the water from cooling. This scale will also coat the inside of the block and prevent the transfer of heat from the cylinder to the cooling water resulting in overheating. If it is necessary to use hard water the radiator should be flushed frequently with a good solvent.



# Garson Attacks Howe Stand On Coarse Grain Board

By M. TREVOR HOLLAND

MANITOBA'S Premier Garson left no doubt as to the stand the provincial government has taken on the controversial coarse grain issue, at the annual meeting of the Manitoba Federation of Agriculture and Co-operation held in Winnipeg, June 21 to 23. He said the Manitoba government does not intend to be "the butt of a political manoeuvre on the part of the federal government."

He was referring to the statement made earlier by Agriculture Minister Gardiner and stressed by Trade Minister Howe that complementary legislation would be necessary from the three prairie provinces before the federal government can enforce the terms of "Bill 135" giving the Canadian Wheat Board control of the marketing of oats and barley.

The full text of Mr. Howe's statement was that before he could proclaim as law the legislation passed by the federal government giving the Wheat Board control of the marketing of coarse grains, it would be necessary for the three prairie provinces to pass complementary legislation to this effect and he would require a recommendation from the Canadian Federation of Agriculture on a price formula.

Mr. Garson pointed out that the terms of Bill 135 does not cover the recommendations made by the C.F.A. following their annual convention last January and repeated at the conference of government and agricultural representatives in Regina last month. The bill proposes to put the marketing of coarse grains under the board control, which, as now constituted, is merely another instrument of government control.

After careful investigation and queries directed at Mr. Howe, the Manitoba government can see no reason why complementary legislation from the three prairie provinces is necessary nor has the federal government offered any proof that such legislation is necessary.

The Manitoba government, and prairie farmers, are willing to support a plan setting up a board for the marketing of coarse grains and which will act primarily for the benefit of the producers.

In conclusion Mr. Garson urged that similar action to that taken in regard to freight rates be taken by the prairie provinces—a meeting of representatives of agricultural organizations and the premiers of the three provinces meet with Mr. Howe to press for legislation that carries out the recommendations made at the Brockville and Regina meetings.

Supporting Mr. Garson's statements, Roy C. Marler, president of the Alberta Federation of Agriculture, said that his organization was not willing to recommend that the Alberta government pass the complementary legislation—even though Premier Manning has already indicated the government's willingness to do so—until Manitoba's position became clear.

The meeting passed resolutions to the effect that the federal government set up a board to control the marketing of oats and barley, along the lines proposed by Premier Garson, acting in the best interests of the producers.

Seven separate resolutions opposing income tax regulations and forms for farmers were approved by the meeting. The delegates objected to that section of the income tax form that called for information from farmers that was not required from any other

occupational group, the Net Worth Statement.

The meeting endorsed a resolution asking that the exemption for married persons be raised to \$2,000 and \$1,200 for single persons and that the government pay interest on moneys held and returnable on tax adjustments.

Expenses incurred by breaking, brushing, scrubbing and draining by a bona fide farmer should be allowed as an exemption and the farmer's wife would be allowed as income, \$250 yearly out of poultry sold and other items of farm income, regardless of whether she actually owns poultry or not, as of such income results from the efforts of the farmer's wife.

Other resolutions were passed objecting to certain clauses in the War Income Tax Act which the meeting felt discriminated against the co-operatives.

Final speaker during the business sessions of the meeting was George N. McConnell, vice-president of Manitoba Pool Elevators, who described conditions in Europe as he saw it when he attended the meeting of the International Federation of Agricultural Producers, held in Paris, in May.

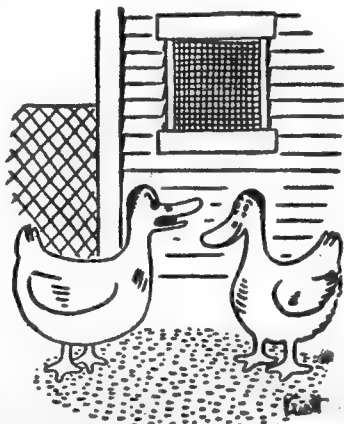
J. E. Brownlee, K.C., LL.D., president and general manager of the United Grain Growers Limited, was guest speaker at the annual banquet of the Federation, held Tuesday, June 22. The subject of his address was "Agriculture in a Changing World" in which he stressed the aims and objectives of the western farmers in seeking reasonable security.

Western agriculture has definitely entered a new era. The industry is no longer as it was in 1929, a new and growing industry, with its assets heavily encumbered, and with heavy current liabilities, all at high rates of interest.

Next to the world political problem, the most important is the problem of restoring economic and financial conditions in the world that will permit export trade to function normally. Towards the solution of that problem Canada can contribute by collaborating with other important trading nations of the world.

In conclusion he said that a basic reason for confidence in the future of Western agriculture lies in the world's need for food. Given the conditions of peace, Western agriculture, equipped as it now is, can provide that basic purchasing power upon which only a strong Canadian economy can rest.

The final day of the convention was set aside for Youth Department of the M.F.A.C., featuring public speaking contests.

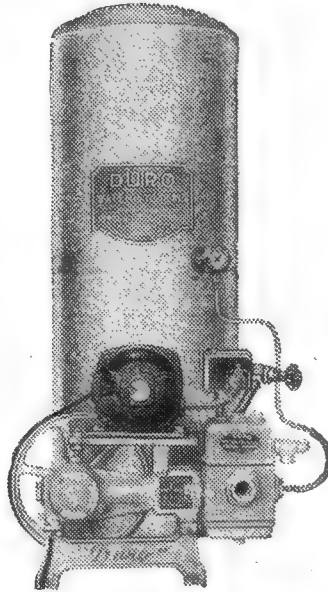


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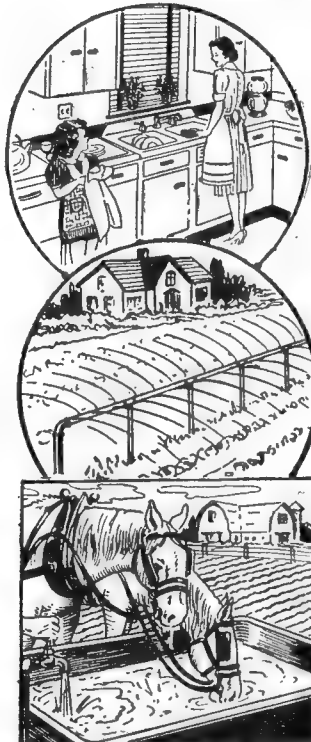


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## Dollars and Cents Tips From The Feeders' Day at University

(By Special Correspondent)

**EDMONTON:** — Three hundred attended the 27th annual Feeders' Day at the livestock pavilion, University of Alberta, to receive reports by the animal science department, Faculty of Agriculture, an feeding experiments, directed as always towards seeking answers to the practical problems encountered by the producer during the current production season.

To the economic experiments regularly carried on with weights and quantities, there has been added since the animal nutrition laboratory has been acquired following the war, related checks on value of the protein and vitamin content of the rations used. Dr. R. D. Sinclair, head of the department and dean of agriculture, told visitors that this type of experimental work when combined with detailed studies on the quality of the feeding stuffs "yields results which can be of great practical value to the livestock producers of Alberta." The chemical analysis of feeds is a procedure of first importance in improving feeding methods, added the dean.

In the feeding of pigs, steers or lambs for market, the "rate of gain" is a matter of concern to the feeders because the number of days on feed before the animal is ready for market has an important bearing on the net returns. He illustrated by citing one pig feeding experiment at U. of A. When grain alone was fed it required 525 pounds to put on one hundred-weight of gain. But when this grain was properly supplemented with protein, vitamins and minerals, the amount of feed required was lowered to 373 pounds — a saving of 240 pounds in fitting the average weanling for slaughter. At present feed prices this means a saving of \$550 in finishing 100 market pigs by use of an efficient ration.

Last fall prices of barley and oats suddenly went up and those feeding steers wondered how far up costs would go. Then, too, said the dean, there was the question of how much grain should be fed to stock while humans were starving. So the University set up an experiment to see if grain used on the feedlot could be kept to a minimum and a good finish secured.

### No Grain — Good Meat

Dr. J. W. Howe gave details of three lots of steers put on the feedlot for five months, one full feed of hay and grain, one getting short grain rations for first 60 days, the other no grain for first period.

Full feeding of grain gave a higher average daily gain but higher costs and smaller profit although all this lot of steers graded red brand beef. Limiting the amount of grain resulted in consumption of more hay and although eight graded red and four blue label carcasses, "very acceptable beef was produced under a plan which involved use of a comparatively small amount of grain." Relative values of hay and grain would be a factor when a feeder decides which method to follow.

"We think we can get as good results in using more roughage, cheaper feed at the start, especially as feeder cattle off the range don't seem to make the best use of grain for say a month or so at the start. If another experiment proves as good, we think the method may well be used in this province in the feeding of steers,

saving grain, getting good finish and making more profits. We will be able not only to use more roughage but raise more beef on the farm," said Dr. Howe.

It was questionable, added the professor of animal science, whether feeders were justified in feeding cattle to a high finish.

### Water Profitable Ration

Besides reporting on current experiments and some running two to five seasons, it has been proved profitable to buy linseed meal and bran for milking cows, experiments provided the answer that it usually pays to buy protein rich supplements. The higher the selling value of milk of butterfat, the greater the financial returns, not to mention improved breeding performance and thrift of the cows.

Most profitable way to increase milk production was to provide well-fed cows with all the water they will drink at temperatures that are no deterrent, for if cows are forced to drink ice-cold water in winter or outdoors under severe weather conditions, less than normal will be consumed and milk production will be lowered, said Dr. Bowstead. In two experiments cows having access to water bowls at all times, drank eight per cent more than those watered twice daily. They produced 7% more milk, 5.8% more butterfat, indicating the rich returns for the time and effort in providing ample water. Meters used in the tests showed water consumption under best conditions varied with production, heaviest milkers drinking as much as 20 gallons daily.

Oat bundles when supplemented with linseed and bran are worth \$8.25 per ton for milk cows when market price of alfalfa hay is \$15. Oat cover crop for fall use of milk cows when pastures dry up, is worth \$14 an acre.

In ascertaining further comparative values for the dairymen, it was found he could afford to pay for a drum of 450 pounds of betalasses, the equivalent market value of 360 pounds of oats and barley mixture. If used to induce cows to consume unpalatable roughage, it would have a higher value. Wet brewers' grains have a value, based on current prices of hay and concentrated displaced, of \$9 to \$10 per ton delivered at the farm.

### Best Care of Sows Pays

Dr. L. W. McElroy told of the importance of balanced rations for brood sows, a test that began with two lots of sows in 1944 and was carried along with the offspring. One lot was given the best of pasture, rations and care, the other grain, limestone, salt and minimum of care. Cost over the period of 3½ years was one and a half times greater in the case of the first group but these sows weaned about twice as many pigs. Net return from the well-fed sows was four times as large as that from poorly-fed sows.

Since protein content of oats and barley range from less than ten per cent to more than fifteen, uses of low protein and medium protein grains for the growing and finishing of pigs were tested. Low protein feed without the proper supplements just would not work, said Dr. McElroy. Pigs fed medium protein grains did better, but although total quantity of protein in the ration exceeded a third lot fed low protein grain plus standard supplement, quality was apparently lacking some essential amino acids present in the animal proteins of the supplement, said the professor.



# Breeders' Notes

## Decline In Sheep Population Serious

IN an article in the March issue of the Agricultural Institute Review, Dr. E. S. Archibald, director central experimental farm, Dominion Department of Agriculture, Ottawa, discusses the sheep industry in Canada, and suggests some possible reasons for the decline in sheep numbers on farms by about one million since 1944.

From 1945 to 1947 sheep declined by 26 per cent, while during the same period dairy cattle decreased by only 8 per cent and hogs by 10 per cent.

Not since 1925 has the sheep population been so low despite an increase in price for heavyweight lambs at Toronto at the end of 1947 of nearly double the average price of 1933-39.

Meat consumption in Canada has increased from the average of 118 pounds per capita in the five years, 1933-39, to 146 pounds in 1947 — it was even higher in 1944 at 154 pounds.

But the increased per capita consumption has been in other kinds of meat — pork, beef, veal — while lamb and mutton consumption has dropped in the period under review from 5.6 pounds to 4.8 pounds.

It seems obvious, says Dr. Archibald, that the Canadian public is not lamb and mutton minded from taste, or possibly from lack of proper retail marketing display.

On the other hand, the fact that in pre-war years Canada imported more lamb than was exported, is evidence that the consuming public can be encouraged by proper education to consume considerably more lamb and well finished mutton.

The Canadian consumption of apparel wool in 1946 was approximately 107 million pounds, a tremendous increase over 1944 and 1945, while the Canadian production for the same year was 16.5 million pounds.

In normal times, Canada produces about one-quarter of its wool requirements. Since 1939, the price of wool on the farm has more than doubled.

The domestic demand for apparel wool, the reduction of the world stockpile and the downward trend of production in wool-producing countries seem to suggest that the price of wool in 1948 will remain about at its present level.

"If the sheep population is in process of reduction," says Dr. Archibald, "it is due more to abnormal circumstances than to essential weaknesses in the industry itself. The sheep industry is better organized today than ever before.

"With its research, promotion, selling and professional agencies, it has the means of solving most of its problems; the most important being, perhaps, reorganization in the field on a sounder economic basis, so as to produce efficiently and economically, meat and wool of choice quality. There is a place for sheep in Canada."

## Markerville Exhibits Win At Red Deer

RED DEER — Don Johnson of Markerville took the grand championship at the first junior calf show and sale here with his 1,000-pound Hereford, which was bought by Canada Packers for 61 cents a pound.

Some 600 persons attended the annual show and sale sponsored by the calf clubs of Red Deer, Markerville, Innisfail and Delburne.

The reserve champion, a Shorthorn owned by Peggy Morrison of Innisfail, another member of the Markerville club, was bought by T. Eaton Co. at 40 cents a pound.

The Markerville Club also took top prizes for showmanship. The leader is John Morrison.

With 150 calves entered from the four clubs competition was intense and calf quality outstanding. Of the 22 calves entered by the Markerville club, all but one were placed in special and choice groups.

T. Eaton paid 40 cents for both the reserve champion and the top Red Deer calf owned by Miss Helen Graham, Lacombe. Ronny McCullough's reserve champion of the Red Deer club brought 33 cents a pound from Eaton's.

The average sale price was 23½ cents.

The three highest awards for each club was listed as follows:

Markerville — Don Johnson, Peggy Morrison and Gerald Johnson.

Delburne — Bob Boulton, Kenneth Campbell and Frank Watson.

Innisfail—Georgina Phillips, George Edgar and Murray Paynter.

Red Deer — Helen Graham, Ronny McCullough and Helen Day.

Presentation of the W. J. Edgar showmanship trophy to Ronald Morrison, Markerville, was made by O. S. Longman, deputy minister of agriculture.

Hon. David Ure, minister of agriculture, presented the grand championship and reserve grand to Donnie Johnson and Peggy Morrison respectively.

Judges were Joseph H. Johnston of Edmonton and Ed. Noad of Olds.

T. H. Newcombe, Edmonton, department of agriculture, and Vic Bjorkeland, Red Deer, judged showmanship.

## Lachlin McKinnon Pioneered the West

LACHLIN McKINNON, one of Alberta's best known and most highly respected pioneer ranchers and farmers, died in Calgary following a lengthy illness. He was 93.

One of the gallant band of early settlers who carved a home out of the virgin prairie back in 1886, Mr. McKinnon started life in the west as a chore-boy on a Calgary district ranch. Later he started cattle ranching on his own and within 20 years after arriving in Calgary, he owned and operated one of the largest ranches and wheat farms in Southern Alberta.

Mr. McKinnon retired from active ranching about 25 years ago after forming a family corporation and in late years the McKinnon properties in the Dalemead, Bassano, Airdrie and Carseland districts have been operated by his immediate family.

He is survived by his widow, 12 sons and daughters, and a number of grandchildren. One daughter, May, died in 1926.

During the summer nearly 2,000 calves will be shown at 88 fairs and 20 sales by members of Alberta Junior Beef Calf Clubs.

Holland has signed a five-year agreement with Argentina for the purchase of 150,000 tons of bread grain and 300,000 tons of feed grain annually.

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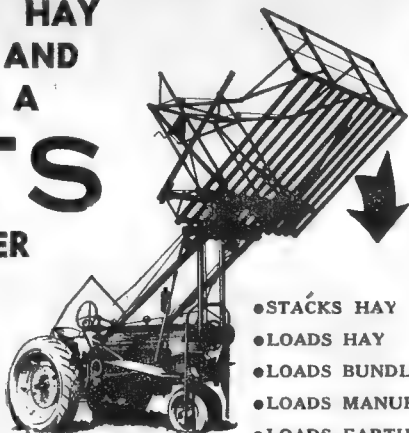
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## Manitoba Farmers Become Great Hydro Salesmen

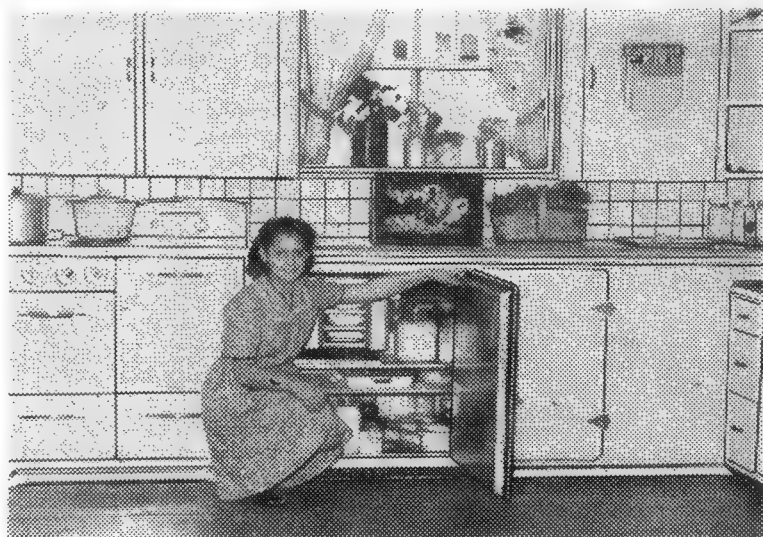
By HON. D. L. CAMPBELL

Manitoba Minister of Agriculture

LAST summer 5,000 farmers in Manitoba signed contracts to receive electric service under the Manitoba Power Commission's 1948 construction programme. This year another 5,000 farmers will have the opportunity to sign-up for electric service in 1949. The farm electrification "sign-ups" are carried out through municipal councils and local farm electrification committees. The progressive farmers in every district want hydro of course, but the establishment of electric service is contingent upon a satisfactory percentage of farmers in each area signing contracts with the Commission. In "sell-

and equipment is the best investment he ever made. He takes advantage of the sliding scale of rates and uses electricity fully in the house and farm yard. He is particularly keen about refrigeration and is well pleased with his milk cooler and quick-freeze unit. Mr. Allard estimates the average cost per kilowatt hour on his farm is only one and one-quarter cents.

Mr. Russ Gregory of St. Norbert, an enthusiastic exponent of hydro, raises mink, poultry and hogs. Electricity is an important factor in his business and home. An electric water pressure system has made it possible to have



ing" farm electrification to those who are slow to change their methods, the farmer who is now using electricity is the best salesman and he is usually very keen to help his neighbors get hydro.

Harold Smith of Carnegie, Manitoba, who is convinced hydro is "the best thing that has ever come to the farm," states: "I have heard the argument that it is just another bill to pay. I have not found it so. On our farm it has turned out to be something that helps pay the bills."

Such is the opinion of farmers using hydro in their farm operations. David Loewen, a poultry farmer, claims electric lights in the poultry house have resulted in a 25% increase in egg production and a considerable decrease in labor. With an automatic time switch controlling the lights, Mr. Loewen rejoices that "there is no bother of getting up at five in the morning to turn on the lamps and no more cleaning and refilling lamps."

J. L. Gray of the Brandon district uses electricity for cleaning grain, pumping water, and dozens of other previously toilsome jobs. In Mr. Gray's own words, "This is the greatest boon to farmers in fifty years. We could not go back to carrying lanterns and pumping water by hand."

Jack Simpson, another Brandon farmer, says, having electric power is "like getting into heaven without dying." The Simpson family average 260 kilowatt hours per month for the operation of a milking machine, washing machine, toaster, iron, hot-plate, water pump and separator. Their average monthly bill is \$6.39. The family agrees, "the electric motor for our separator is the finest thing that ever happened to us."

R. Allard, a farmer near St. Francis Xavier, says his electric system

all modern conveniences, making the Gregory farm as comfortable as a city home. Electric appliances lighten household tasks for Mrs. Gregory. A power saw and paint sprayer are labor-saving tools which are convenient aids in the erection and maintenance of farm buildings.

An electric motor grinds the meat for Mr. Gregory's mink. Lights in the henhouse increase egg production and electric brooders have reduced chick losses to less than 3%.

In the piggery there are four electric brooders which are responsible for the survival of at least two extra pigs per litter. In addition to providing a safe sanctuary for the little pigs the electric brooder also makes it possible to raise litters successfully at any time of the year. The cost of this valuable home-made appliance is estimated by Mr. Gregory to be less than \$3.00, and it is operated for six cents a day. Providing two baby pigs were saved in a litter by the brooder, Mr. Gregory claims that the \$1.80 which is the expense of operating the heat lamp for a month after birth will return extra profit of \$34.00.

Another family making excellent use of electricity are the Roberts of Dugald. After 20 years of milking cows by hand and cleaning lanterns, not to mention carrying water, Mr. and Mrs. Roberts are thrilled to have electric motors and lights. Mrs. Roberts is delighted with her refrigerator, iron, toaster and radio. Washing is more pleasant now that an electric motor has been installed in her machine to replace a gas motor. The two Roberts boys are very interested in electric service, but possibly happiest of all is little Valerie who talked for months about the bright-colored electric lights she had on her Christmas tree last year

(Continued on page 15)



(Continued from page 14)

These are the experiences of a few of the families now enjoying a more pleasant, more profitable life, on Manitoba farms. This year 4,000 miles of line are being built to another 5,000 farms in 46 areas. It is an exciting year for the Power Commission. Ever since the successful farm test project in 1945, it has been the Commission's ambition to build to 5,000 farms annually. Shortages of materials during the past two years restricted the program to 1,500 in 1946 and 3,500 in 1947. Largely through the development of local industries, it is now possible to undertake a 5,000 farm program.

In addition to the \$4,000,000 farm program, the Commission will spend \$1,000,000 to build lines to serve 51 towns and villages and \$1,500,000 for an extensive program of system improvement.

Indicative of the tremendous job ahead is the fact that the Commission's Supply Department purchased for the year's construction; 450 carloads of poles, 90 carloads of conductor, 60 carloads of hardware and 50 carloads of transformers.

This is a record-breaking year for the Manitoba Power Commission and one which will bring much joy to 5,000 farm families in the province.

## Fight Against Weeds In Manitoba

The battle against weeds in growing crops and woody growths in Manitoba is again under way, with 2,4-D still the principle weapon, states H. E. Wood, Chairman of the Manitoba Weeds Commission. Several thousand trial plots and other 2,4-D experiments have been co-ordinated through a central committee of the Manitoba Weeds Commission, he said.

Committees started planning for the attack early in January, and by the end of May many pre-emergence tests (where the chemical is applied to the soil before the crop appears) had been made. At the University of Manitoba, where over three acres of small plots are under test, the Plants Science Division conducted pre-emergence tests with both cereals and vegetable crops. Similar tests were carried on at the Brandon Experimental Farm, at Altona, Headingly, Portage la Prairie and by a number of market gardens around Winnipeg.

Between 15 and 20 thousand machines will apply 2,4-D to over 5 million acres of crop across the Prairie Provinces this summer, Mr. Wood estimates.

## Canadian Jersey Long-Distance Records Broken

A banquet was recently held at Milton, Ontario, in honor of Fairy Raleigh Zana and her Long Distance Milk and Butterfat record.

Her owners, Bill and Jack Featherstone, were each presented with suitably engraved silver trays.

Zana's record of 146,810 lbs. milk, 7,980 lbs. fat is the Long Distance Milk and Butterfat record for the Jersey breed in Canada. In terms of butter, Zana produced 9,290 lbs., of which, at present prices, would retail for nearly \$8,000.00; 58,724 quarts of milk at 20c per quart would retail for \$11,744.80. Made into ice cream, her produce would produce over 17,500 gallons of ice cream or over 1,500,000 cones of ice cream.

# Farm Service Facts

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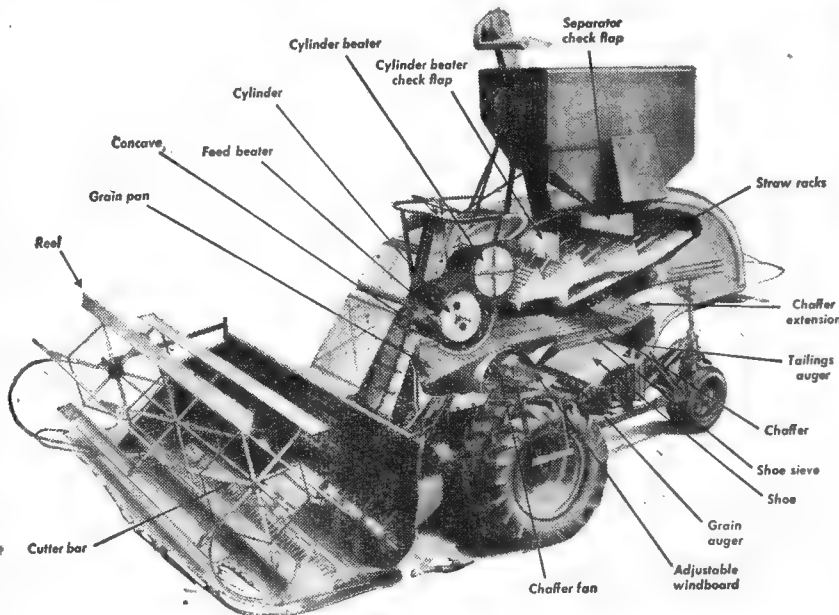
## Systematic Overhaul of Combine in July Pays Off By Saving Grain In August and September

Modern combines are wonderfully efficient . . . both the tractor-drawn and self-propelled types. But with normal wear, due to usage, they do get out of adjustment. It pays three ways to make a systematic check-up and overhaul before the harvest season opens. First and foremost, a machine in good condition threshes clean and saves grain . . . an important point at any time but doubly important today. Second, it harvests more acres per day because of fewer delays in the field. Third, it takes less power.



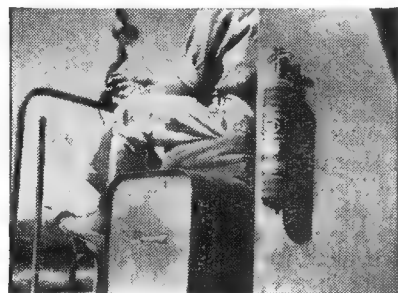
### Get It Out In the Open

Here's a combine being brought out of winter storage into the open for its pre-harvest check-up. That's the best place for systematic overhauling . . . out where there is plenty of light and plenty of elbow room.



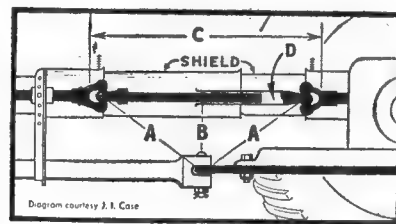
### Points to Check

The above cut-away illustration shows the points that you will be wise to check, whatever make of machine you operate. Some operators seem to feel that the cylinder is the only part that requires attention, but it is important to check all the points shown here. V-belts should have just enough tension to work without either slipping or binding. Roller chains should fall freely on the sprockets without climbing the teeth. In making adjustments or replacing parts, follow the manufacturer's instruction book.



### Safeguard Against Fire

A combine is a major farm investment. It is wise to protect it against every possibility of loss or serious damage. This picture shows a fire extinguisher attached within easy reach of the operator. Smart fellow.



### Adjustment of Hitch For Power Take-off

For tractor-drawn combines, operated by power take-off, have distances "A" from hitch pin to universals as nearly equal as possible. Make distance "B" from hitch to shaft approximately one-third of distance "C", with power shaft as nearly parallel with hitch as possible. A special raised tractor hitch may be necessary.

See that telescoping shaft members overlap at least 6 inches, with 1 inch clearance at point "D" when outfit is turned at shortest angle. (Do not attempt full right angle or pivot turn.) Ends of universal yokes should both point in same direction, either vertical or horizontal. Use a telescoping shield over the telescoping power shaft, and have complete power shaft well shielded.

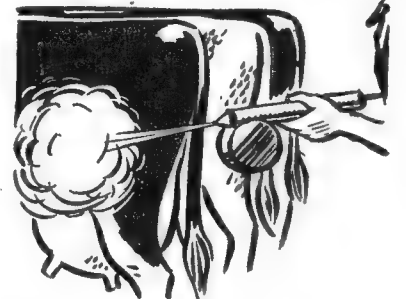
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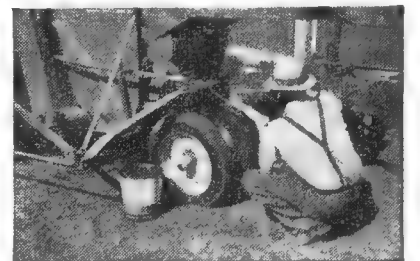
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This year, you can rid your livestock and your stables, hog pens and poultry houses of flies, more completely than ever before. Imperial 25% D D T Concentrate is the answer to your prayer, as far as flies are concerned.

It's economical to use, too. For power spraying or dipping, you mix only 1 part concentrate to 125 parts water . . . which is equal to about 2½ tablespoonfuls in a gallon. For hand spraying, you double the strength. For walls and ceilings, a gallon of concentrate makes 5 gallons of spray.

As it dries, it leaves a residue of D D T on the animal's hair, or on walls and ceilings, which is sure death to every fly that lights on it. They pick it up on their feet and it kills by paralysis.

Imperial 25% D D T Concentrate is the most up-to-minute fly killer on the market. You can depend on it. See your Imperial Oil Agent.



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## You're Right—The Water's Hard Iron and Calcium Make It Hard

SCIENTISTS nowadays can prove practically anything. No resident of the Prairies, however, needs to have a scientist in the family to prove our water is hard. The women who do the family washing; when the rain tank is dry, know all about hard water. What many of them may not have realized, however, is that new water systems that follow farm electrification will give them hard water for all their needs; unless they do something about it.

As electrification spreads, more and more farms will be installing pumping systems and inside plumbing. When this happens, some disappointment may result until a water softener is included with the pumping system.

Hardness in water is something that can be measured as well as felt. It is simply the presence in the water

in extra-hard compared with soft water. Hard water also affects the taste of vegetables and makes it necessary to add more tea and coffee per cup of water.

All this comes about because the water soaks up chemicals from the soil. Hard waters are softened simply by filtering out these chemicals.

In Ontario, and in most western cities, water softeners are generally used by city dwellers. These are usually tanks filled with zeolite which soaks up the calcium, magnesium and iron in the water. Every couple of weeks the softening tank chemicals themselves have to be cleaned with a brine solution which washes the accumulation of water-hardening chemicals out of the zeolite.

When a water system is being installed, a softener can be located right next to the pressure tank.



**VEGETABLES**

Better flavor in soft water. Lentils, peas, and beans lose their flavor, become tougher in hard water.



**AUTOMOBILE CARE**

With hard water in automobile radiators, cooling systems become choked with scale formations, heating up motor, increasing gasoline costs.



**COFFEE**

Only a fraction as much coffee or tea is needed when prepared in soft water. And it tastes better.



**SKIN CARE**

Hands and face are softer, are seldom chapped or reddened in soft water. Calcium curd left by hard water and soap has a definite effect on skin infections. (Northwestern University Department of Physiology and Pharmacology Medical School.)



**POTS AND PANS**

When lined up they must be heated longer and scratched more in cleaning, so they wear out 20% faster.



**CANNING**

Canning is more certain to be successful with soft water. Large commercial canners wouldn't use anything else.



**RAZOR BLADES**

Cutting through hard water calcium curd on whiskers dulls blades faster, requiring 20% greater replacement. In soft water whiskers wilt in suds.

of tiny particles of alkaline chemicals. The presence of 7 grains per gallon of these chemicals classifies water as hard. Up to 3 grains it is slightly hard. Soft water is free of these chemicals.

Eastern Alberta, Saskatchewan and Manitoba all fall into the hard-water belt. Western Alberta and parts of the north are generally blessed with softer water — up to 3 grains per gallon.

Having measured the amount of "hardness" in the water, the scientists can prove, scientifically, what every prairie farm wife has long suspected. It takes a lot more soap to get clothes clean in hard water than it does in soft water. Using hard water washes away the fabric and clothes wear out much sooner than when soft water is used.

The scale that collects on kettles and the grease that seems to imbed itself in pots and pans, is "hardness" from the water — the chemicals. This same scale, in areas where the water is particularly hard, will eventually clog water pipes and cause their replacement.

In areas where water is particularly hard, containing up to 30 grains of chemical per gallon, tests have shown interesting results. About 12 times as much soap is required to produce suds

## Pavlychenko Leaves Sask. University

SASKATOON: Because the University of Saskatchewan's board of governors would not sanction a working agreement with a private company the U. of S. recently lost one of North America's outstanding agricultural scientists.

Dr. Thomas K. Pavlychenko, head of the plant ecology laboratory at the U. of S. and a professor at the university since 1938, resigned to take a post with the American Chemical Paint Company.

The company offered to pay Pavlychenko's salary plus that of an assistant professor if Pavlychenko would work for the company in his spare time. The company would have left him free to devote full time to teaching and research for the university. The offer was rejected by the university because governors felt a person employed and paid by a private company should not be on the staff.

The scientist was born 56 years ago in the Ukraine, migrating to Canada in 1927 after graduating from the University of Prague. He then worked at manual labor while mastering English and in 1929 entered the U. of S.





## The Senate and Old Age Pensions

To the Editor:—

I have just finished reading your very good Editorial in the April issue of the FARM AND RANCH REVIEW, and I can't seem to help thinking that the Senate is simply an old men's home with a retirement pension of \$6,000.00 a year instead of the regular dole of \$35.00 that is doled out the aged citizens after they have done the work that built the country that enables our Politicians to draw the salaries they do and in addition have their frequent trips to Europe, etc.

I am not an old-age Pensioner, but I am a nurse and see the results of the poor souls trying to exist without starving to death on the miserable dole that it handed out to them instead of at least \$60.00 a month that would keep them at least in food of a kind under our present high prices.

Just expressing my ideas to you thinking your able Editorials might be able to help along an almost forgotten cause of trying to get enough for the aged citizens to at least have enough to eat without the taxpayers having to pay such a large amount to so many unworthy politicians, but it seems that Politics and Humanity won't mix any better than Whiskey and Gasoline.

Yours very truly,

MRS. S. M. BREWER.

Calgary.

...

## Wheat Board and the Open Market

Editor, — I may be dense but I can see no reason why we should have either a wheat board handled by the Canadian Government, or the Winnipeg Grain Exchange.

We have the three provincial Wheat Pools with their own lines of country elevators and terminal elevators for doing the physical handling of grain owned and operated by the producers of the wheat with government graders who are capable of doing the grading and the bulk of the wheat is sold to millers who are very capable of making their selection of the grades they prefer for making the various grades of flour which they have learned how to make for their customers.

All we need to do is to have the three provincial Wheat Boards select members of their boards, or other qualified men to represent them to form a board to do the selling direct to the millers, or other customers who may want to buy Canadian wheat, and let that board do the selling in the best interests of the men who grow the wheat.

If the Line company elevators want to continue the Winnipeg Grain Exchange to sell their grain let them hop to it and if they can supply the millers or other customers with the wheat more economically than the producers can let them market all they can induce the growers to deliver to them.

W. D. Trego, 330-2nd Ave. East,  
Calgary, Alta.

## He Likes Our New Section

Dear Sir,—

Your feature "Rebuilding the West," in the May issue, appeals a lot to this reader — with its steady emphasis on conservation, co-operation and construction. There was one point, however, which made this urban Canadian hungry for further data, dealing with the menace of what is described "dirty water" to the 35,000 reservoirs on the farms and ranches of the Prairie Provinces constructed across the past ten years. I was amazed (and disappointed) for example to learn that "the life of the average farm reservoir in Western Canada is proving to be about ten years. It can be shortened considerably if the runoff water carries a heavy soil content..." On the other hand I was glad to note that the reservoir's life "may be lengthened indefinitely by control of runoff. Once a farm pond becomes half filled with silt, it is no longer dependable. It is dry in periods of long drought when it is needed most."

In view of the conclusions arrived at in another column, i.e., that "rain-making" might prove to be a flop when tried in the skies over Western Canada; and that the prairie farmer's greatest spectre — drought "would be around for a long time yet"; I would like to see appropriate efforts made to keep those 35,000 reservoirs on the active list, for the vital service they can render when the next 'dry cycle' arrives? It would be deplorable if these precious reserves of water are permitted to wither away in years of plenty, and emulate the grain speculators who are nowhere around, when "needed most"?—Walter P. Davisson.

Toronto.

...

## Defends Rotary Tillers

To the Editor:

As the distributor for Alberta of the for the Seaman Rotary Tiller, I take strong exception to the statement on page 14 of your June issue by Mr. E. B. Martin. Mr. Martin condemned the use of rotary tillers in Alberta.

Experience is still the best teacher, and an endorsement from many who have had successful experience with a unit is its best advertisement.

On occasion the rotary tiller has been accused of pulverization. This is a mistake for the following reason: They are built with either fast or slow gears whichever may be required, the faster the gear the finer it will make the soil. Out of approximately two hundred machines in operation in the Province of Alberta alone a majority of them have had to be changed to a faster gear ratio due to the fact that they were leaving the land too rough. There are four changes available which in itself is an asset.

As far as being an expensive machine is concerned, it actually costs less to condition the soil with a rotary tiller than with any other method used, and it is done in ONE operation.

Sincerely,

Wm. Goett, Manager.

Calgary, Alta.

...

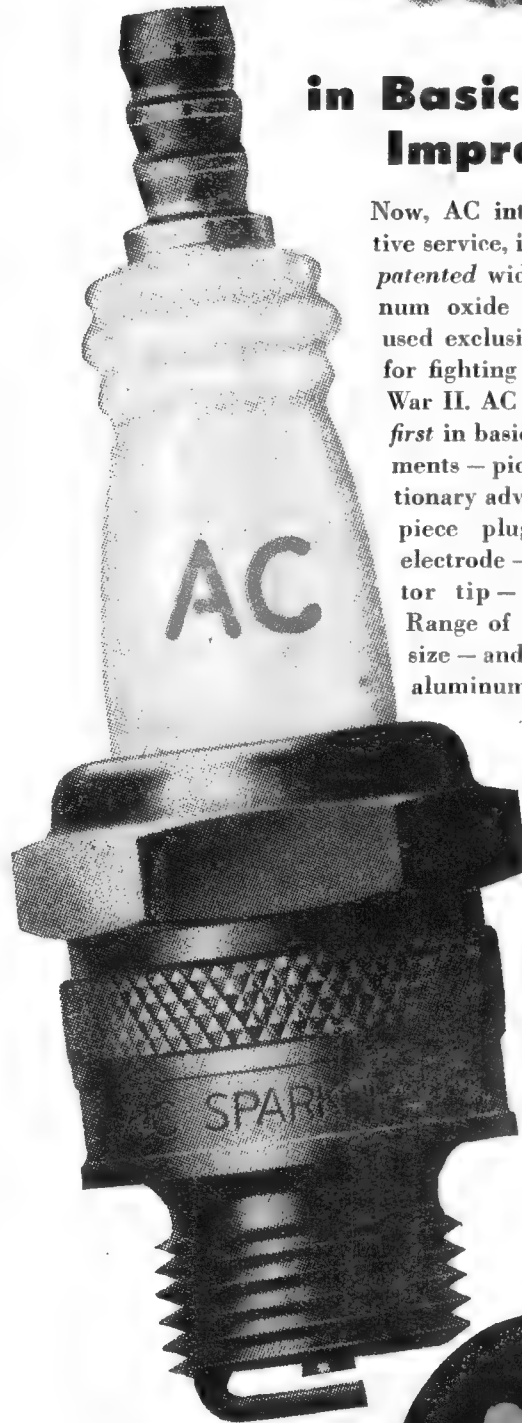
No one thinks he looks as old as he is.—E. W. HOWE.



## in Basic Improvements

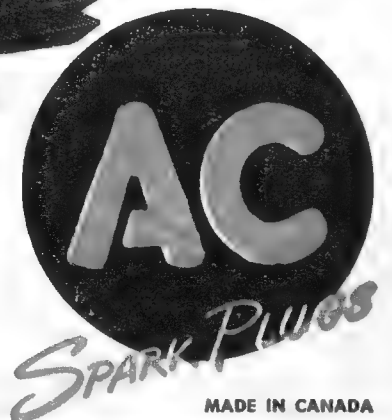
Now, AC introduces, for automotive service, insulators made of the patented wide Heat Range aluminum oxide material, which was used exclusively in aircraft plugs for fighting planes during World War II. AC has consistently been first in basic spark plug improvements — pioneering such revolutionary advancements as the one-piece plug — the welded side electrode — the unglazed insulator tip — the complete Heat Range of plugs in every thread size — and now the patented aluminum oxide insulator.

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# DO YOU KNOW THESE FACTS ABOUT CHEMICAL SUMMERFALLOW?

Every farmer is acquainted with the practice of summer-fallow . . . that is, killing weeds and building up moisture in fallow land in preparation for the following year's crops. A common procedure is to plow land early in summer and follow up with subsequent tillage operations later on.

Now recent experiments indicate *chemical* summer-fallow with Green Cross Agricultural Weed-No-More offers definite advantages over the old tillage method.

## DISADVANTAGES OF THE OLD METHOD

When fallow is plowed, stubble of previous crop is turned under and its value in checking surface wind is lost. Soil is exposed to the hazard of wind erosion. The top two or three inches dry out, leaving an insulating layer preventing further evaporation from subsoil. But, every time a field is cultivated, that layer is destroyed and fresh moist soil is turned up and immediately dried by wind and sun. New weed seeds are brought to the surface to germinate and make another cultivation necessary, with the result that more soil is dried out. Lastly, continuous cultivation breaks down soil particles so that they are readily picked up by the wind and we have disastrous *soil erosion*.

## NOW LOOK AT THE ADVANTAGES OF CHEMICAL SUMMERFALLOW

No plowing is necessary. You simply spray weeds away with Agricultural Weed-No-More, leaving the stubble to stop wind erosion. Top soil is not disturbed and remains to stop evaporation from moist soil below. No new weed seeds are brought to the surface to germinate. Most important advantage of chemical weed control is that it may reduce the acreage under non-productive fallow. If moisture is not the limiting factor, weeds can be controlled *while* land is producing a paying crop.

## CHEMICAL SUMMERFALLOW SPRAY PROGRAM WITH AGRICULTURAL WEED-NO-MORE

Consult your weed classification list before spraying. Where weeds are susceptible to Agricultural Weed-No-More, follow this four-point spray program. (Chemical summerfallow is not recommended when perennial weeds, wild oats, foxtails, or volunteer grain are a problem).

1. Apply at the rate of 24 ounces of Agricultural Weed-No-More in the amount of water required by your particular type of spray equipment to cover one acre.
2. Spray when most weeds have germinated but before first plant produces new seed.
3. Repeat as necessary, to prevent new weed seed being produced by later growing plants. Two applications should suffice.
4. Spray again following year, to kill any weeds growing from seed brought to the surface by pre-season tillage.

Order Agricultural Weed-No-More from your Green Cross or Massey-Harris dealer now.

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WEED-NO-MORE**

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## In Nature's Wonderland

# The Destructive Porcupine

By KERRY WOOD

(Author of Three Mile Bend, Birds and Animals of the Rockies,  
A Nature Guide for Farmers.)

TO the annoyance of farmers, porcupines are increasing in numbers throughout the wooded sections of Western Canada. Almost every sizeable shelter belt in the parkland districts of Alberta has a porky in residence. Several theories have been advanced to explain the animals' comparative abundance: some naturalists believe that porcupines, like many other rodents, are subject to periodic cycles of abundance and scarcity. And doubtless the war years were favorable to the porky population, because cartridges and shells were quite scarce at that time and juvenile hunters did not bother the quill-pigs as much as usual.

Whatever the reason, porcupines are thriving in Western Canada right now, and farmers are peeved as a result. While most of us regard the slow-witted, spine-protected porcupine as a somewhat picturesque and interesting animal when found out in the wilderness, these same animals can cause farmers a lot of trouble when they thrive around settled districts.

Livestock suffer most, especially curious-natured cattle. When a cow sees a porcupine waddling across the back pasture, bossy is apt to mosey over to look at this strange creature. The porcupine stops, erecting its thousands of spines to create a spear-guarded fortress of its fat body. The cow comes closer still, stretching down its nose to sniff at the queerly fashioned animal. When this happens, the porky slaps out a quill-loaded tail and the poor cow receives a score of barbed spines in its rubbery muzzle. The spines are not thrown, but come loose from the tail as soon as they come in contact with any solid.

Such a dose can easily prove fatal to the cow. If the animal is a member of a herd grazing on an isolated wooded pasture, it may mean that the farmer won't get a look at his stock once a week, and by that time the quills may have done their deadly work. Sometimes they prevent an animal from feeding and drinking; on other occasions they penetrate deeply into the soft muzzle and shut off the animal's respiratory tubes.

Horses usually get the quills in their hocks and legs. A porcupine that happens to be on a path when a horse comes along will rarely bother to get out of the way. If the horse steps close to the quill-pig, out slaps the mobile tail and once again a stock animal is liberally festooned with barbed spears. These quills may cause permanent lameness to the horse if the farmer isn't able to give immediate first-aid.

And the family dog is always having a run-in with a porcupine, and always comes off second best in such encounters. Fido generally heads for home at once, permitting the master to yank out the festering quills. But sometimes a spine gets into a dog's eye and causes blindness, or even penetrates to the brain to cause death. Or a dog may receive a quill that penetrates the tongue and throat to bring about death or disablement.

For the benefit of those who may have to pull quills from stock animals or from dogs during the future, here's a tip about an easy way to do it. Douse the quill-covered area with a solution of vinegar and water mixed in equal parts. This solution reduces the sting of the barbs and seems to soften the quill material. Then clip

off the back part of each quill with a pair of scissors before using pliers to yank out the offending spines. Cutting off the back half inch of quill is much easier after that simple amputation with scissors.

Farmers suffer other losses as result of porcupine activities. The animals are expert climbers, and the



smooth board sides of a granary can easily be scalded by a claw-shod porcupine. Up to the ventilator window the porky climbs, then tumbles into the granary to indulge in a grain-eating orgy that may last for several days. In addition to the grain lost by consumption, the porky leaves a filthy deposit of dung which fouls even more grain. It is estimated that each porcupine visit to a granary costs the farmer a bushel of grain! Tacking fly-screen or small chick-wire over granary windows helps to keep out porcupines and unwanted birds like jays, magpies, starlings, and sparrows.

Foraging porcupines can also do great damage to growing grain. They are fond of rooting up young stalks, and the writer has seen areas in a green field that measured more than fifty square feet completely ruined by a single porcupine after one night's feeding. If the grain field happens to be handy to the porcupine's den, the cropland may be visited regularly throughout the spring and summer and autumn. The standing grain is wantonly raided and then the stooks or swathed grain come in for a later share of the destruction.

The porcupine's well known passion for salt-flavored articles also works a hardship on some farmers. Valuable harness sets and riding saddles have been ruined by porcupine teeth on occasion. The animals always chew on those parts of the leather flavored with salty sweat. Tool handles such as axes, pitch-forks, and any other handle that is sweat-flavored by the human hand will be gnawed to ruin by the porcupine's strong teeth if the animal happens to visit a farmyard and locates any such tools lying around within reach.

So the present porcupine abundance doesn't meet with approval from farmers. An old law protects these animals out in the forests, because they are the only food-animals a lost man can run down and kill with a club. But this law doesn't apply to the porcupine whose quills kill a valuable cow.



## Hints on Weed Spraying

**M**ANY farmers started this year with brand new weed-spraying rigs. They will find that the boom sprayer is in many respects the most refined machine for field work that they have ever had to operate. The efficiency of the machine depends

largely on the proper functioning of nozzles, screens and valves. Nozzles are really plugged and screens have a tendency to take on a film of rust when not in use. The boom with all attachments must therefore be handled carefully when in use and also in storage.

Twisting of pipe, deterioration of hose connections, plugging of nozzles can all seriously impede operations

once the sprayer is taken to the field. When in operation the main essential is to use absolutely clean water. The solution in the supply tank must be safeguarded from dust and debris that may be carried by wind. It is much better to have clean water and solution to start with rather than to depend entirely on the screens for doing a cleaning job.—Brandon Experimental Farm.

## High Egg Prices Under British Control

Effective July 1st, an increase of five cents per dozen in the price to be paid for Grade A eggs purchased under the British contract has been announced by the Special Products Board.

A further two-cent increase will become effective September 1st.



# UNDERSTANDING = MODERATION

Understanding comes to us

when we see things through the other fellow's eyes . . .

when we listen through the other fellow's ears . . .

when we consider the other fellow's point of view at all times.

It's the key to happy living together. For it leads us

to weigh our words and shape our actions for the common good.

Happily a Canadian characteristic, it's this understanding

which leads us to choose the path of moderation in all things . . .

moderation in our thinking, moderation in our spending . . .

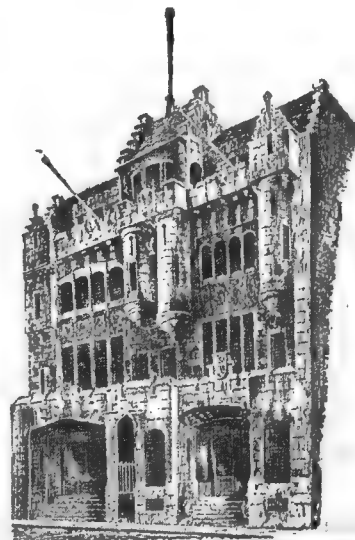
moderation in our pleasure. For understanding makes us realize

that moderation benefits not only our own selves, but our

families, our communities and all of Canada.

*Men who Think of Tomorrow  
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Holiday in Edmonton Fair Week

# COLOR SPORT FROM THE SPECTRUM

## Rodeo Sports Boom

By HENRY VINEY

**R**ODEOS or stampedes may not come under the classification of organized sport as such, there are few more thrilling or crowd-pleasing attractions.

Stampedes, as such, are not exclusive to Calgary in Canada, Cheyenne, Pendleton, Madison Square Garden and the Boston Gardens in the United States. There are few westerners who have not seen a stampede. Within striking distance of most towns in Western Canada there are miniature stampedes being staged every week end. They are just as thrilling, and as exacting as far as the performers and the spectators are concerned, but they lack the background color and prize-money that goes to make the big shows the success they have become in recent years.

Stampede contests are mainly based on the love of competition, the struggle between man and beast. To prove which is the master, an unknown cowboy riding an unknown animal at a small ranch to put in an otherwise dull weekend, may ride, rope, decorate, or steer-wrestle just as well as the named performers who demonstrate their skill before thousands of the paying public at the big named shows.

All stampedes follow much the same pattern. This has been brought about because most stampedes belong to the Rodeo Association of America — the R.A.A., — and the cowboys who compete are members of the Cowboys' Protective Association, — the C.P.A. They have established rules and regulations for all of the Major Competitions.

In most big-time stampedes, there is bronk riding with association saddle, bare-back bronk riding, steer riding, calf roping and either steer-decorating or steer-wrestling.

Stampedes comply with the regulations of the S.P.C.A., the Society for the Prevention of Cruelty to Animals.

Stampede competitions can not be construed to be cruelty to animals.

While space does not permit great detail, here are a few of the highlights of the five main events at most stampedes. In bronk riding an association saddle must be used. Regulation cowboy regalia must be worn — spurs filed, or with sharp points are not allowed. "Locked spurs" is the term used. The cowboy must come out of the chute "raking" his animals well up front,—and the higher the better. He must stay aboard for ten seconds in order to be credited with a ride. He is disqualified if he "pulls leather", grabs the reins or halter-rope. The horse is given as much for performance as is the cowboy. If either one fails badly the contestant has little chance for prize money.

Much the same rules apply to bare-back bronk riding, only there is no saddle, and more points are awarded after the first three jumps than before.

Calf roping is a specialized rodeo sport. Few outstanding calf ropers are equally as good bronk or bare-back riders. A calf is released from a gate at the end of the stampede grounds, a flag is dropped as a barrier is broken. The cowboy, riding a trained calf-roping horse, is allowed two loops or lassoes and carries in his teeth a short piece of rope with which to tie the calf's three legs when he has lassoed it . . .

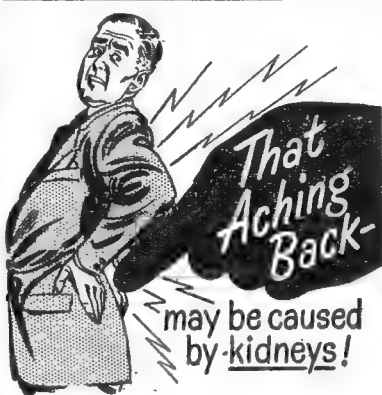
There is what is known as "tied" or "dally" roping. In tied roping, the cowboy is allowed to wrap the end of his lasso around the horn of his saddle, and if his horse is a trained calf-roping animal, it will hold the rope tight and aid the cowboy in tying up the squirming, squealing calf.

When dally roping is specified, the cowboy, after roping the calf, must dismount and hold the calf himself without the aid of his horse, and without the rope wound around the saddle horn.

Steer Decorating as practiced in Canada is one of the most dangerous and most thrilling of cowboy sports. It, like calf roping, is an event in which elapsed time decides the winner. When a big fast-moving steer is released from a chute, the cowboy mounted on his best horse breaks from a barrier, armed only with a red ribbon on an elastic band. He is required to leave his horse and pin the ribbon over the elongated horn of the steer. He is assisted by a "hazer", who, mounted, rides on the opposite side of the steer and tries to keep him close to the steer-decorating cowboy, so that the decorator's work will be accomplished more quickly and with the least danger to him.

Of late years cowboy competitions have become highly organized. The competitors travel from show to show in big motor cars, pulling a trailer in which their favorite roping horse is given all the comforts accorded the most valuable race horse.

Points are awarded competitors in the big shows on the basis of dollars earned. World's, North American, and Canadian Championships in various events are awarded at the end of each rodeo season. Many cowboys have become wealthy in a few years, but like great athletes in any other line of competitive sport, few get to the top, and few retire wealthy.



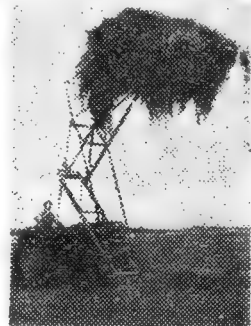
Every drop of blood in your body passes through your kidneys once every 7 minutes. When kidneys fail to filter out impurities, your system slows down. You may feel tired, headachy—with painful joints and aching back!

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## How to Organize a Mosquito Murder

(From the Manitoba Co-operator)

IN the country it usually is not possible to control mosquitoes, but it is possible to lessen their unpleasant attentions to both man and beast during years when they are abundant.

Windows and doors should have screens with at least 14 and preferably 16 meshes to the inch. Coarser screens may admit the smaller species of mosquitoes. If window and door screens allow small mosquitoes through the meshes put a coat of paint on each side of the screen. This will close up the openings in the screen enough to keep mosquitoes out.

A spray containing DDT in an oil base applied to the walls and ceilings of rooms at monthly intervals will keep them free of mosquitoes. Screens should be painted or sprayed on both sides with the DDT solution. Beware of fire until the oil has evaporated, at least. On the walls of outbuildings, a water miscible form of DDT may be used where the white residue left after it has dried will not be objectionable. The DDT in oil does not leave this visible residue if the oil is water white.

Aerosol bombs are now commonly used to free rooms of mosquitoes and certain other insects. Although the bombs seem quite expensive, they will last for a long time. They are easily handled and are very effective. One of the aerosol bombs on the sale contains enough material for one hun-

dred applications to ordinary sized rooms. Smudges will help to keep animals free of mosquitoes.

Mosquitoes may be controlled in the larval stage by draining standing water from low lands. Stagnant water which cannot be drained away may be treated with some formulation of oil and DDT. One gallon of oil containing one per cent of DDT is said to be as effective as 20 or 25 gallons of oil alone.

Effective commercial mosquito repellents are now available on our markets for those who have to be out of doors in mosquito country and this includes those who sit and fish.

Because certain mosquitoes may be carriers of disease, small children should not be left outside to sleep during warm weather unless their prams are carefully covered with mosquito-proof netting.

This year, flood waters no doubt will produce an abundant crop of blood-thirsty mosquitoes. It is known that mosquito eggs may remain on the soil for years until they are covered with water. They then quickly emerge from the egg into the larval stage and pass through an active pupal stage into the winged adult form. New areas inundated with water mean a more abundant crop of hungry mosquitoes. Many ponds contained countless numbers of mosquito larva (wigglers) before the middle of May this year.

\*\*\*

## Control of Potato Insects With DDT

DDT has proved so effective against potato insects that growers are advised to use this insecticide on their potato crop in preference to any other, says W. G. Matthewman, Division of Entomology, Dominion Department of Agriculture, Ottawa. DDT has given excellent control of the Colorado potato beetle, the potato flea beetle, and the potato leaf-hopper while, particularly in spray form, it has given good results against potato aphids.

On potatoes, DDT should be mixed with a fungicide to control blight. As a spray, it may be combined with Bordeaux mixture, with any of the fixed coppers or with the newer, organic fungicides at the rate of one pound of actual DDT to each 100 gallons of liquid. As a dust, it is used in 3 per cent strength combined with a fixed copper and a suitable filler. DDT should not be used in the old copper-lime dust as the lime in this combination greatly reduces the toxicity of the poison.

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## How to Grow Better Pastures

THERE are too many run-down pastures on the farms of Alberta, according to J. E. Birdsall, Supervisor of Crop Improvement for the Alberta Department of Agriculture. Pastures should fit into a general farm plan, and they should not remain down for more than four or five years. The forage growing on the land will add fibre and fertility. When it is plowed,

better grain crops can be produced.

Neither grasses nor legumes alone provide the best pasture. They should be grown in mixtures — grasses and legumes together. Legumes increase the feed value and bulk of the mixture, and they help to maintain soil fertility. Grasses fill the soil with needed root fibre. The two together provide a pasture that is very nutritious, and, if the kinds are chosen carefully, they will provide good pasture fairly continuously throughout the season.

\*\*\*

## Spraying Cattle Against Flies

SPRAYING dairy animals against flies at regular intervals during the summer months should be a "must" in the routine of herd management. The increased production of milk and the efficient gains of young stock brought about through the control of flies is immeasurable.

Spraying the livestock, begun just before turning the animals out on pasture, should be continued at regular intervals of from two to five weeks depending on the duration of the effectiveness of the spray used. After exposure to heavy rains additional spraying is necessary, particularly the milking cows.

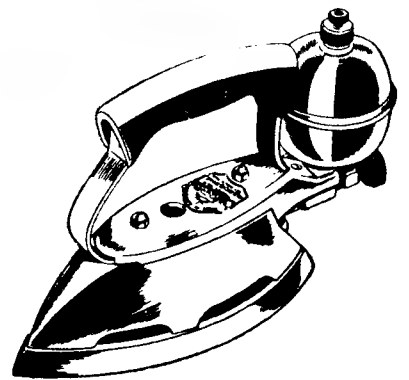
A good spray: Mix one pound of 50 per cent DDT water-dispersible powder in 2½ to 5 gallons of water. This gives a concentration of from one to two per cent spray which has proved satisfactory for controlling flies on cattle.



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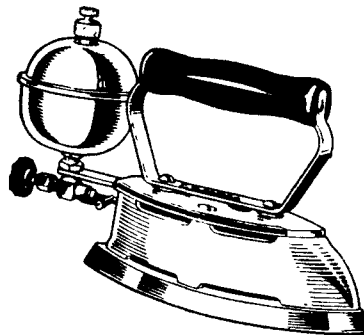
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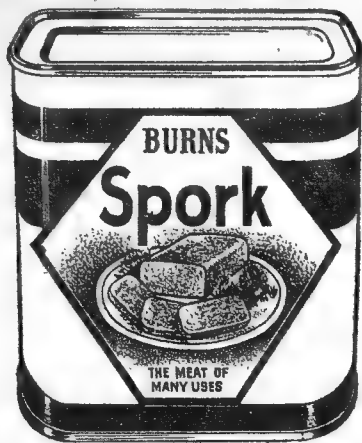
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This coming Autumn the Alberta Wheat Pool will celebrate its 25th Anniversary.

In that quarter of a century the Wheat Pool has rendered exceptional service to Alberta Agriculture.

Remember, the Wheat Pool is owned by Alberta Farmers and Pool Elevators are operated on a service basis.

If you have never tried Pool Elevator service why not plan to do so this year?

*Alberta Pool Elevators*

## Human Comedy

### Laughs From London

(The New York Times)

AUSTERITY, politics and personalities still take pre-eminence in the pattern of humor which the British people design out of their daily life and observation. Here are some of the jokes Londoners have been enjoying recently.

#### Ambition—

King George and Prime Minister Attlee were discussing Field Marshall Montgomery, who is not celebrated, according to report, for lack of confidence in himself. "A very fine soldier," said Mr. Attlee, "but I sometimes wonder whether he isn't after my job."

"O, do you?" said the King. "You know, that's rather a relief. I was afraid he was after mine."

#### Cigarette Crisis—

A man drinking in a London pub suddenly found himself without a smoke. Above the hubbub he shouted an offer of sixpence for a cigarette. (No takers.) "Shilling?" (No reply.) His price rose to £50 but still there was no bidder. In desperation, he cried, "There's a Rolls-Royce at the curb. I'll trade it for a cigarette." At that, a little man in the corner spoke up. "What year is it?" he demanded quietly.

#### Churchilliana—

Winston Churchill encountered Emanuel Shinwell, head of the National Executive of the British Labor party and famous for his irascibility, groping outside a public telephone booth in the House of Commons. "What are you looking for?" Churchill inquired. "For two pennies I dropped, to phone a friend," said Shinwell. Churchill reached in his pocket and produced a coin. "Here's sixpence," he said. "Phone them all."

#### Sex Inequality—

The door of a cottage in a poor East End street was flung open precisely as the parish clock struck noon. A housewife, arms akimbo, shouted from the doorway at a workman who was leaning against the wall. "Come along in, Five-Day-Week. Seven-Day-Week's just cooked yer lunch."

\* \* \*

#### No Place Like Home

In Cleveland, William S. Wellman's pigeon, entered in a 100-mile race, came in last — nine years.

#### The Criminal Mind

In Lincoln, Neb., Arlene Gibson went to jail after making the mistake of wearing stolen jewelry to a policeman's ball.

#### Family Album

In London, Angus Harper declared that he had laced the family butter with slug poison, just to "annoy" his in-laws. In Newhall, Calif., Mrs. Nettie M. Weismeyer said that one reason why she had shot her husband was that he used bad grammar.

#### Hard-Headed

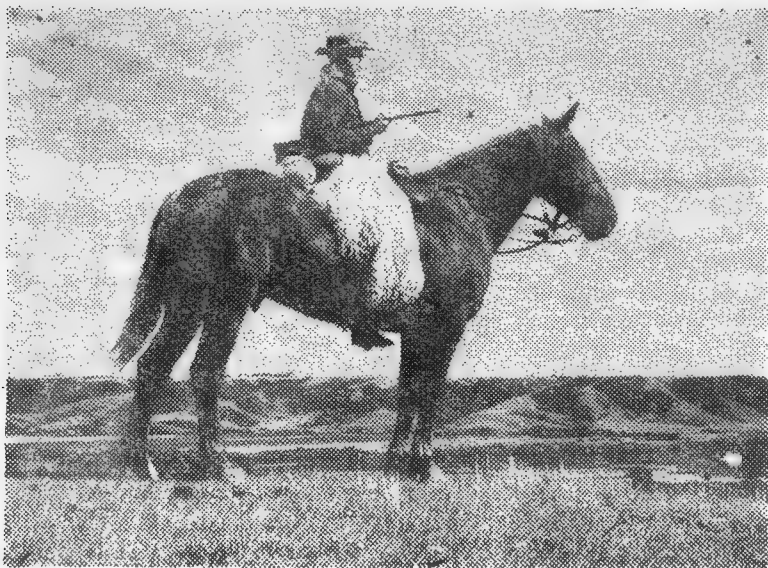
In Champaign, Ill., John L. Franklin had given up trying to raise asparagus after three years, built an asphalt drive across the patch, this spring discovered sprouts cracking through the pavement.

#### Soft Pickings

In Folsom, Calif., someone forged two wardens' names and cashed checks stolen from the state penitentiary.



## On Guard...



### Fly Control Boosts Dairy Profits

Horn flies and stable flies, which attack dairy cattle during the summer months are responsible for reduced farm income each year in the form of lower milk production.

One of the most profitable practices a dairy farmer can follow is fly control with DDT. It is common to find production of milk per cow drop from five to 10 pounds per day during the fly season. At current milk prices this means a loss of 15 to 20 cents per animal per day. In a herd of ten cows this cost mounts to \$1.50 to \$2.00 daily. If this loss is sustained for the usual 50 days of the minimum fly period a new piece of farm equipment or a valuable household item is lost to flies.

A 50 per cent wettable DDT formulation used on cattle is an economical way of almost completely overcoming this seasonal loss of farm income. Directions call for mixing one pound in 10 to 20 gallons of water and applying the spray mixture at the rate of about one quart per animal. The residual action of DDT makes it effective for a long period of time. Only the wettable powder formulation is suitable for use on farm animals.

While control of flies on milking cows is generally considered of major importance, dairy heifers should not be forgotten. The same material may be used on them with results evident in faster-growing, thriftier animals.—(C.I.L. Bulletin.)

### The Limitations of Chemical Summerfallow

The results of chemical summerfallow trials made in Western Canada in 1947, indicate that the use of 2,4-D and other chemical weed killers in controlling weeds on summerfallow land has definite limitations. As a complete substitute for mechanical cultivation, the results now available strongly suggest that chemical summerfallow will be largely confined to areas or fields where the weeds present are exclusively or predominately Wild Mustard, Stinkweed and certain

other susceptible annual weeds. The emergence of these weeds can be almost completely prevented by early applications of 2,4-D at rates that are recommended for the control of these weeds in growing crops.

Land infested with resistant weeds such as Wild Oats, Couch (Quack) Grass, Wild Barley, Green Foxtail, Cow Cockle and peppergrass, will not lend itself to chemical summerfallow. Early applications of 2,4-D to such land will simply remove the susceptible annual weeds, tend to reduce the top growth of the partially-resistant weeds (Canada Thistle, Perennial Sow Thistle, etc.), and allow the above-mentioned resistant weeds to flourish without competition. — Line Elevators Farm Service.

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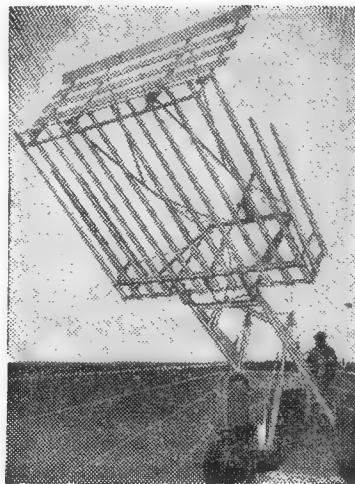


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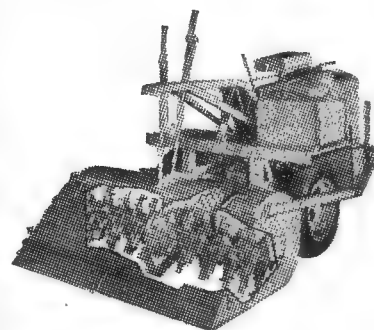
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# Farm and Ranch Review Editorials

(Continued from Page 5)

change, I presume that we would be doing what we have done consistently in the past — that is, we would doubtless be assisting by the extension of credits for European recovery, because we have such a heavy stake in European recovery. But we cannot do that, or we cannot do it to any appreciable extent, because of our exchange position. On the other hand, we shall be supplying goods. Undoubtedly there will be large offshore purchases, as they are called, from Canada under the European recovery plan being administered by the United States of America. But it would be undesirable, I feel sure, having in mind public opinion in the United States, to have a situation arise such as this: that the people of the United States should be keeping their taxes up to the high levels they have now attained, and that Canada, not contributing toward European recovery by way of credits, should seize the opportunity to push her taxes down and cash in on the situation in such a way that we would inevitably be severely criticized and penalized by others."

The Toronto Telegram exploded all over the place. It called Mr. Ilsley's "fawning, cringing attitude an insult to Canadians

... It suggests that the Americans want to meddle in our domestic affairs, even to our taxes. The idea is ridiculous."

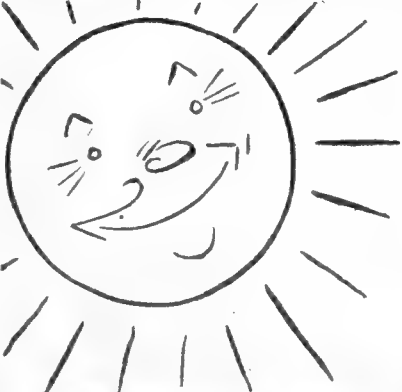
Let us take it for granted that a war-time minister of finance is a better witness as to the way Americans react to Canada than a Toronto newspaper. The fact is that when top policy is being formulated in Ottawa, it must always pass one test — How will Washington react? It may well be that we have been to sensitive to Washington reaction, which is often short-sighted and ill-informed. It may be that we would be better off occasionally if we would rear back and tell Washington off. But the fact remains that in the world we live in today no small and comparatively weak power like Canada can ever be completely independent or completely free.

What has happened in the Customs Un-

ion argument is that a bogus, ersatz thing called "independence" has been held out before the people of Canada, like a carrot on a stick for a donkey, to make the Abbott policy tolerable. They say Customs Union would "destroy our independence." We say the Abbott policy can and will destroy the standard of living of the people of Western Canada.

But while we argue that the so-called "destruction of independence" argument is a phony argument, we still do not concede that Customs Union would lead inevitably toward political union. It would result in a free movement of goods across the border. It would give Western producers access to profitable markets to the south. It would give all the people of the West access to American manufactured goods at lower price levels.

That is the beginning and the end of the argument, despite the zealous efforts of eastern newspapers to divert it to side-issues.



## BEAT THE HEAT

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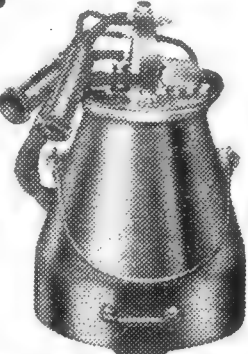
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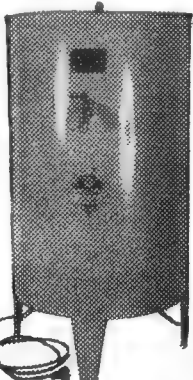
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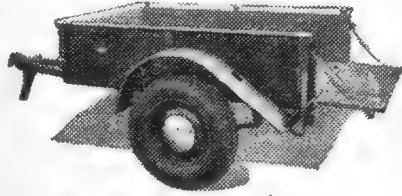
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# The Farm and Ranch HOUSEWIFE

## Give Your Furniture the New Look With Slip Covers

By ANN BARRETT

DO you feel the need for something new in the home that will solve the problem of how to put new pep and brightness to your rooms? If so, why not follow this smart little "know-how" on how to make gay-colored slip covers for the furniture, which was passed on to us from one of our women readers. This homemaker has just made and put to practical use some attractive chintz slip-covers for chairs, chesterfields and sofas in the downstairs rooms, and has also smartened-up her bedrooms with matching slip-covers for time-worn bed-headboards and bedspreads, which have tuned in beautifully with window-drapes and other accessories.

If this idea has caught your fancy and you have the urge of doing-things-yourself, why not incorporate in your own home this decorative scheme of new slip-covers! All that is needed are a few yards of inexpensive gay colored chintz and a few hours work at the sewing machine. You will be amazed with the new look it gives to a room, and coverings will stay clean longer and prove an ideal method for economy and wear.

### Measuring Covers

Our reader tells us, that any homemaker who has made her own curtains can accomplish fitted furniture slip-covers with equal success, by applying the same principles of accurate measurement and careful stitching. Before buying the material, she measured every chair and sofa to be covered; starting on the floor at the back she took the total measurement up to the top of the back, down to the seat, across the seat and down to the floor in front, adding an inch or so for a

seam at each turn and in addition three inches or more for the "tuck away" at the back of the seat. This measurement gives the length of goods required for the cover exclusive of side pieces. These are measured from the floor to the seat for a side chair without arms, allowing about one-half inch for each seam. If it is for an armchair, measure from the floor to the top of the arm and down to the seat allowing one-half inch for each seam. The amount of one side is then doubled and added to the amount previously estimated which gives the total amount required for the slip-cover.

Here, as in planning overdraperies generous allowance must be made for centering the design if material selected has a large pattern. Sofas, or very wide chairs, are estimated in this same way and the extra number of widths necessary to cover seat and back, added.

In making slip covers, it is advised to spread the material over the chair in back up over the back, down and across the seat to the floor. Be sure the design is right side up on the front of the chair and centered. If a large motif appears it is good plan to reverse the breadth on the back of the chair so that even there the pattern does not stand on its head. Allow generous plaits along every turn. Pin the material smoothly in place before splitting the plaits for the seams. Trim the edges and finish the seams before adjusting the side pieces. These are pinned into position and proper allowance made for seams where they join the front and back, before cutting.

Finish by stitching the seams and binding. The seams where the seat and back join is left open, on covers for upholstered furniture so that it can be tucked down into the crevice of the upholstery. The bottoms of covers look well with an half-inch hem all around. You can either leave your slip-covers open in the centre-back or on each side, and when pulled over the furniture tie with tape or use a zipper fastener.

When you redecorate your rooms by gay new slip-covers, it is well to bear in mind that they should blend in with the draperies and background, otherwise the finished effect will be off-balance with the overall scheme and spirit of the room. This blending process of color combinations is an important consideration.

### Slips for Bed-Headboards

The woman who leans towards the ornamental in headboards of upholstery for her beds, can also try out the new look with slip covers to protect delicate pastel upholstery from dust, and they can be made to fit snugly with a long zipper.

If the bed has a square-top headboard, measure across the top for width and from top to bottom for depth. Lay the material lengthwise across the front of the headboard to avoid seams down the centre front. Join the narrow pieces that run down the sides and across the top with corded edges. To complete the symmetry you will of course use a match-mate of the same material for the bed cover.

The bedroom is the one room that the homemaker considers her very own . . . the spot where she can satisfy her own personal tastes for color. Then, too, when her friends drop over for a knitting or sewing get-together, the bedroom often becomes a show place, especially if there is something new in decoration to be displayed with pride by the hostess.

So dear homemakers, if you have decided to try out the added touch in making new slip covers, remember that the modern trend is definitely for gay washable colors in fabrics that will brighten and help home comfort and happiness.

## A Delicious Cool Drink

Directions: Make tea exactly as usual . . . While still hot pour into glasses filled with cracked ice . . . Add sugar and lemon to taste . . .

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I'VE lived a good long life still I've never had an hour to kill. It's been the other way about with time too short, day in day out, to finish all the jobs on hand and start the new ones ready planned. Now, mind you, I don't mean to say I've never frittered time away. — I've done my share of that, I guess, but never *killed* time none-the-less. For working or just having fun I've done my living on the run. Maybe a jog-trot just abreast of time would really be the best, though surely something can be said for time that lopes a bit ahead. But spells of useless time on hand — there's something I can't understand.

For some, like me, time goes too fast, life's high-spots all too quickly passed. But travel must be all up-hill for folks with time they have to *kill*.



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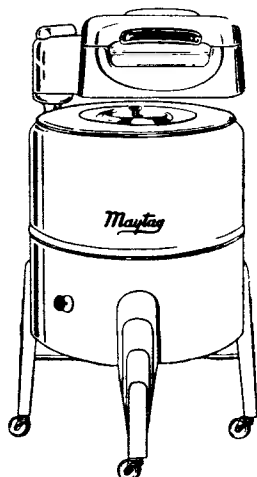
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# Make Mobility Your Motto

Plan Your Children's Equipment To Make Your  
Outings Enjoyable.

By LEE STANLEY

WHILE George and Caroline both wanted children they did not want to be completely tied to their home four miles from the nearest town during their very young years. A carrying basket helped solve their baby's transportation problem.

It started when a friend of theirs loaned them her large sturdy bassinet when David was born. When he was one month old they were invited to Grandma's for a celebration.

"But what will we do with the baby?" asked Caroline. "If he's handled a lot and stays up late, it will be weeks before he gets back on schedule again, and it just isn't worth the trouble."

"Let's take him along in his basket in the car," said her husband. "Then with all his surroundings the same he'll never know he isn't at home."

Caroline agreed to try it. She stripped the fancy trimming from the bassinet and they were never replaced. The young couple found the basket such an important part of their mobility unit they could not let it revert to its original place in the nursery. They placed clean diapers and extra clothes in the bottom, and tucked the baby's glass-covered bottle of milk, well-heated before they started, in one corner where it kept warm for hours among the blankets.

They took the baby on picnics, placed the basket on a bench or stump off the ground, covered it well with netting and left David, like Moses in the bulrushes, to coo at the shadows of leaves above him, and babble himself to sleep within earshot. If they were able to bring the car close to the picnic spot they left baby, basket and all on the back seat with the windows open.

On hot days they even took the baby swimming! There was a wonderful out-door swimming pool not far from their farm, and they were able to leave the basket, well-covered with mosquito netting on a bench in the shade near the water. While Caroline dressed, George watched the baby and vice versa.

One day as they were entering the pool turnstile they passed a couple with a little girl. They looked closely at the basket and Caroline overheard the man say, "That's what we ought to have!"

"Indeed it is!" thought Caroline,

for while David was cool and comfortable in his basket with just a ditty on, the little girl was rumped and hot, her best clothes creased and binding from being held in her father's arms, and George noticed that they soon left because their baby had to have her nap.

For their second baby the young farm couple bought a real carrying basket which the Institute of the Blind makes and sells very reasonably.

At an auction sale Caroline bought a large, black standard tin lunch box which the owner had left over from school days. It proved an invaluable addition to their mobility unit as soon as David started on solid food. In it she keeps a tin of fruit, a tin of vegetables, a baking powder tin of wax-wrapped arrowroot biscuits, a can opener and a spoon. When David passed the sterilizing stage she started to use the thermos in the lunch kit for his milk. She found the box itself makes an excellent serving tray and receptacle for lunch left-overs.

In a zippered knitting bag Caroline keeps a few clean diapers, rubber panties, paper tissues, plastic bibs, and waxed diaper disposal bags. When George asks if she can be ready in ten minutes to go to town or a neighbor's farm, she heats the milk, puts it in the thermos in the lunch kit, dresses the children and puts the baby in the basket and she's ready for almost any emergency in a twinkling. If a half-hour business call turns out to last well over supper time she is well supplied to keep the children on their schedules.

One of the greatest drawbacks to travelling with children is handling used diapers and there are many occasions when one does not wish to take along the ubiquitous diaper pail. So when George and Caroline planned their annual week at the cottage Caroline made enquiries about the disposable type of diapers. There were none available in her neighborhood and so she decided to make them. She got a batt of quilt cotton and placed a foot-square pad of this inside several folds of cheesecloth cut large enough for pinning. Materials for each diaper cost about two cents, apart from the labor of making them. While this arrangement is too expensive as a permanent thing, Caroline points out it is still cheaper than a diaper laundry service and to a mother used to washing thousands of diapers herself, the disposable kind are worth their weight in gold on a vacation.

Now that David is three, the couple became alarmed over news reports of small children opening the back door of the car while it was in motion, and being thrown to the road.

To forestall accidents of this nature, George bought two gadgets for less than a dollar which slip on the front doors of the car and prevent the opening of the back door unless the front door has been previously opened.

With these locks and a chair seat for baby (which incidentally also slips over almost any standard chair and becomes a portable high chair) Caroline finds it very easy to take the children visiting on her own.

To serve with roast lamb, try grape jelly sprinkled generously with finely chopped mint. Even leftover lamb perks up when garnished so.

## Country Diary

THE months roll on and keep their dates with the calendar regardless of local temperatures and the moods of Nature that may hasten or hinder their effect on the land and its achievements. On a morning in July, in the mid-glory of summer, the sun climbs northward in his immemorial rising and sends out his rays in a mighty rhythm with no perceptible sound on our untuned human senses, but with the most infinitesimal touch, utterly silent and gentle, causing the grey night to flame miraculously into a panorama of beauty. Every blade of grass is hung with a sparkling dewdrop; pearls bejewel every green-cupped chalice; silver webs adorn the fences, and every summer bird responds with song as if it had nothing else to do in life. The greatest force in the universe has greeted our little world not with crushing impact but with a gentle calm.

At noon there is an almost breathless pause. The sun has reached his daily zenith. The light breeze drops, leaves hang motionless, fields of grain stand without waving or rustling, the buzz of insects is the only sound to break the hush. Rip closes his eyes as he lies with head resting on his paws, a sure sign there is nothing to watch. Birds are mute in the cool shelter of thick foliage. Nature, who never sleeps, is at least drowsy.

Heat beats on the land as the sun passes the meridian. Time checks his minutes, the siesta is over and noon-tide has gone for today. Rip stirs and stretches on the porch step. Little by little a breeze is born, birds emerge in search of water. As the hours pass shadows appear and begin their slow regular march till they fade with the twilight to merge into the very night itself.

Stars shine out like gems in the velvet darkness. As the dew falls, the spicy scent of Balm of Gilead and the sweet fragrance of innumerable wild roses fill the air. In among the sedges of the slough (not dry as in former years) the bullfrog sings its ancient song of love and freedom, an ancestral chant learned in the bullrushes of a far, far distant age. The hedge-sparrow chirrs and sleeps and wakes again with its few notes of toneless bird-music.

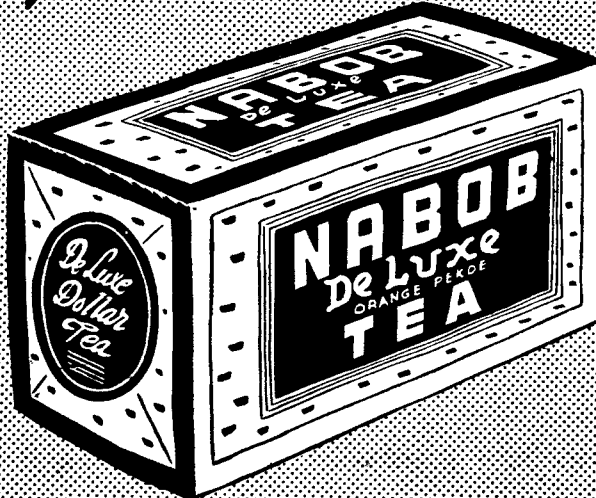
It has been a busy day of ordinary farm living, the systematic chores that constitute the "daily round, the common task," relieved from drudgery by the satisfaction of service, and healthy, hungry appetites. Highlights of the day have been the wholesome meals, sufficiently delicious and radiant to the taste and eye as to make epicures of us all, thanks to gifts from Biddy and Bossy, the magic of the garden, and the craft of the lady in the kitchen.

## Clean Pastures For Poultry

YOUNG poultry needs clean pasture. Alfalfa is particularly valuable. Besides supplying the A and B complex vitamins, protein and minerals, alfalfa has a beneficial health value above other types of pasture.

C. W. Traves, Poultry Commissioner, Alberta Department of Agriculture, says that where good pasture is available and is kept cut so that new tender shoots are coming up all the time, four to five hundred growing birds can be pastured per acre. Mash and grain consumption can be reduced from twenty to thirty per cent, depending on the quality and quantity of the pasture.

Tea as it should be!



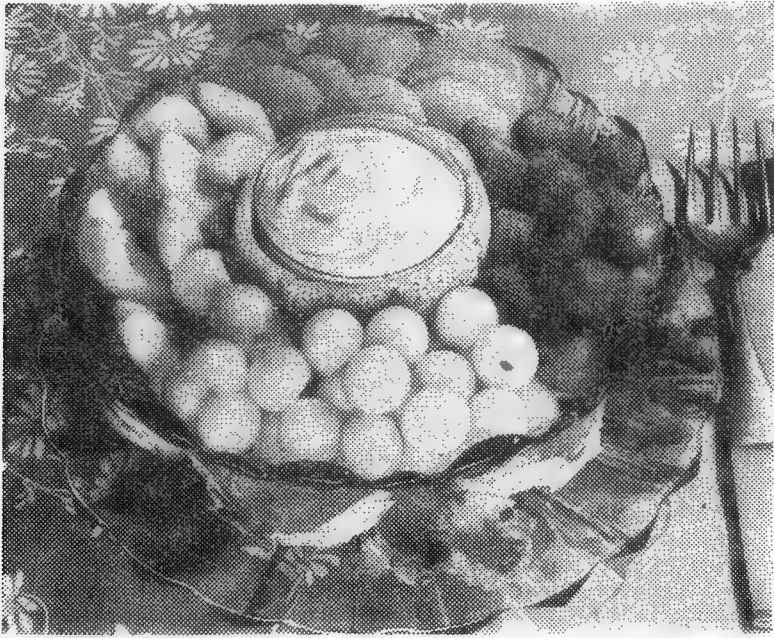
KDA



## AT SALAD TIME

By LOUISE PRICE BELL

NO matter how many recipes for salad dressing a homemaker has, she can always use another one, if it's a good one. And the dressing used on a salad has a great deal to do with the deliciousness of that important part of our meals. Make your own mayonnaise, and you'll find yourself doing it again and again as it is so much better than commercial types. And when eggs are plentiful, home-made mayonnaise reduces the cost aplenty.



### FRUIT SALADS

Set a bowl of salad dressing in center of round chop plate in a canteloupe-half. Pile sliced peaches, melon balls, orange segments and whole strawberries around this and let each person "make" his or her own fruit salad.

Or, cut lemon centers into cubes or balls and mold in your favorite gelatin recipe, garnishing with lemon balls of a contrasting color. Any fruit-in-season may be substituted for melon, with equal enjoyment.

### COOKED MAYONNAISE

1 tblsp. table fat	$\frac{1}{2}$ tsp. salt
4 tblsp. flour	Dash cayenne pepper
$\frac{1}{2}$ cup boiling water	2 tblsp. lemon juice
1 egg yolk	$\frac{1}{2}$ cup salad oil
$\frac{1}{2}$ tsp. dry mustard	

Melt fat, add flour, blend well. Gradually add water and mix until smooth. Cook over low heat, stirring constantly until mixture is thick and smooth. Combine egg-yolk, mustard, salt, cayenne, lemon juice and salad oil and beat with rotary egg-beater until smooth and creamy. Cool. For Thousand Island Dressing, add hard-cooked eggs, stuffed olives and pickles (finely chopped) and chili sauce.

For Fruit Salad, here is a new idea is Salad Dressing that you are sure to like.

### GRAPE JUICE FRENCH DRESSING

$\frac{1}{2}$ cup salad oil	3 tblsp. lemon juice
6 tblsp. grape juice	1 tsp. salt
Dash cayenne	1 tsp. sugar

Combine all ingredients in a jar, or bottle. The dressing is used on Grapefruit and Apple salad made of 2 grapefruit and 3 apples, peeled and divided into segments. Although lettuce should be used, if the salad is served on a dark plate, the omission of lettuce (if it is too expensive to include) will hardly be missed. Or a less expensive salad green, or one from the home garden, may be substituted.

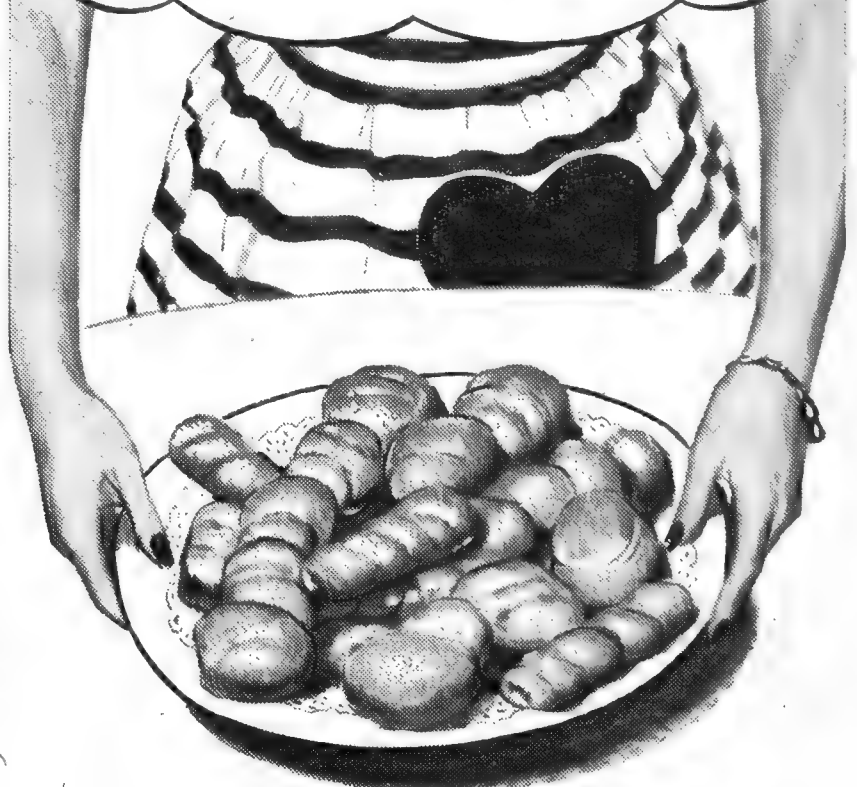
With cottage cheese prevalent in many homes, here is a salad dressing that is a "natural".

### COTTAGE CHEESE DRESSING

Mix  $\frac{1}{2}$  tsp. salt,  $\frac{1}{2}$  tsp. mustard, 4 drops of tabasco sauce,  $\frac{1}{2}$  tsp. vinegar and  $\frac{1}{4}$  tsp. onion juice. Beat 1 egg yolk in a deep bowl and add vinegar mixture, continue beating, meanwhile adding 1 cup of salad oil, drop by drop at first, gradually increasing the amount. Slowly add 1 tsp. of vinegar and beat well. Chill and just before serving add  $\frac{1}{2}$  cup of cottage cheese that has been well drained. Stir till smooth. Serve this over coleslaw. Garnish with pickles rolled in luncheon meat.

Cinnamon bread sticks are just the thing to serve with fruit salad. Remove crusts from bread, brush both sides of the slices with melted butter. Cut into finger strips, roll in a mixture of sugar and cinnamon and toast in a moderate oven (350° F.) until crisp and golden brown. For an excellent supper dish, make a good, snappy Welsh rarebit. Stir in a beaten egg for smoothness. Open a can of the best salmon. Flake it and stir into the rarebit. Now a small onion, minced and sauteed, is added, and this job is served on hot buttered toast.

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## AUNT SAL SUGGESTS

*Little drops of water  
Make the mighty sea,  
And timely little handy hints,  
Can help you wonderfully.*

A VERY little bacon can dress up a meal. Fry it crisp then sprinkle it over the top of cooked vegetables . . . or it gives the finishing touch to combination salad. And surely you've added bacon bits to scrambled eggs . . . or even to an omelette or slithered astride a poached egg, too. (On the menu you can describe it "bacon to a Scotchman's taste.")

There is another commodity that can do wonders when used in small doses and that's lemon juice. Of course you'll be using it in large doses too in cold drinks these hot July days. But just a few stingy drops add that tangy taste. I believe I've told you before that apples flavored with lemon juice instead of that ever-lasting cinnamon make the apple pies taste pleasantly different.

To prevent the food chopper from sticking when grinding raisins and such insert a little lemon juice before the grinding process begins.

There was a silly song that got tossed about a great deal a while back that cautioned us to "never put the bananas in the refrigerator". (Does it still run through your head some days?)

Well some of us contrari-minded ones say you can put them there if you wish, but leave them in the brown paper bag and inert a wad of moistened paper inside the bag.

There's another bag I like to place a wad of damp paper or cloth into (very poor grammar) and that is the bag of brown sugar. For the stuff is a corker to dry out, isn't it? Some still go to bat for the trick of placing the bag of brown sugar in the bread box. It does retain its moistness there . . . but what does it do to the bread? (You answer that one.)

Here are two more very small-sized hints for use on laundry day . . . first one tells us to add a small lump of butter to the starch then the clothes can be ironed before drying and they won't stick to the iron either.

And the next cutie is a fine aid for those homemakers who have to use hard water. It turns so murky when making bluing, doesn't it? Well, add a little milk and the murkiness will clear considerably.

Yes, we are agreed that little things . . . very common things, too, can help like all get out. We've cited the little lemon and the little dash of bacon . . . here's our third candidate for election and that's the potato. (Don't call it a spud or a mурphy or you'll be sorry.)

Besides being an old-time stand-by for food, the potato can help you in almost innumerable ways about the house. Did you ever try rubbing dark spots from silver with a piece of raw potato? Or you can drain the potato water from boiled potatoes, place stained silverware in it . . . stand for a short time . . . rinse and presto the silver is clean again.

And when your hands get soiled from gardening or such work, rub your hands with raw potato instead of soap. Handy, eh? Likely some of you know that trick of running a knife through a raw potato to remove the odor of onion. (See now what I mean when I advise you not to nickname the illustrious potato?)

At a recent meeting of our Women's Institute we answered the roll call by giving a written-out recipe that we liked a lot. Instead of placing all

the recipes in a box and drawing one out, as we had planned, each member in turn would read out her recipe then someone else would show by raising her hand that she wanted that recipe.

The one I liked the best was a recipe for sour cream cookies. The lady donated this was past 70 years, and her pet recipes have certainly stood the test of time.

I tried out this recipe this very morning, and they were very good. It makes a large batch so half of the dough I rolled out and cut with a fancy cookie-cutter; the rest of the dough I rolled into a pat and put in the refrigerator. These I'll slice and bake tomorrow. Here we go for SOUR CREAM COOKIES.  $\frac{3}{4}$  cup butter, 1 cup sour cream, 2 eggs (well beaten),  $1\frac{1}{2}$  cups brown sugar, 1 tsp. soda, 1 tsp. baking powder, 1 tsp. vanilla and flour enough to make cookie dough (about 4 cups all-purpose flour).

NOTE:—Brown or white sugar can be used.

For those young mothers who hardly feel decent when they go abroad without the baby pram, here's a cute trick I saw in use the other day. It was a wire bicycle basket affixed to the front of the pram. Another pram-pusher had hers attached to the buggy handle. Suppose one can experiment and see which is best.

I've come to the conclusion lately that one can learn a lot by sticking around and observing the habits of the modern young mother. One bright young mother of my acquaintance came up with a very bright young idea. She lacked a regular basket for her baby's toilet articles, but she did own several of those metal holders for glass tumblers. So by fitting a cardboard in the bottom of it, she had the handiest rack for the wee one's talcum, cream and so on.

Another original home style container for baby's things that fills the bill very nicely is one made from a grape basket.

Paint the inside and out with a delicate colored paint (blue or pink is indicated) then glue in blue or pink plastic cloth lining and a perky bow of the same on the handle, isn't necessary, but so pretty. It is really amazing how much one can put in a basket of this kind . . . (it's likewise amazing how many things a very small human requires). As a final finisher-offer paste cunning baby decals around the outside or even cunning baby pictures gleaned from magazine ads do just as well.

Bye bye for now . . . and every good wish!

□ □ □

### Ends Frying Odors

When you fry fish, onions, and other strong-smelling foods, you are bound to have unpleasant odors through the house. You can lessen such odors if you pour off the excess grease from the pan immediately after food is fried, then sprinkle the pan with baking soda. The smell will be checked, and whether you decide to clean the pan then or return to it several hours later, you will find the grease is readily removed with a few swishes of a paper towel

□ □ □

Cream pea soup is cream of pea soup in anybody's language. But it's just a little different this way: while it's heating, mince some fresh mint leaves very fine. Cook them in a little butter, and just before the soup is served, stir in the mint





## Selected RECIPES

### ROAST STUFFED VEAL BREAST

4 lbs. veal breast, salt, pepper, apple stuffing\*. Have breast bone removed from a veal breast and a pocket cut from the end. Season; fill pocket with Apple Stuffing. Place on rack in open pan and roast slowly, 325° F., for about 2½ hours. Serves 8.

### \*APPLE STUFFING

- 2 cups finely chopped apples
- 2 teaspoons chopped parsley
- 2 teaspoons butter
- 2 cups bread crumbs
- 1 teaspoon salt
- ½ teaspoon pepper

Cook apples and parsley in butter a few minutes. Add crumbs, seasonings and water to make slightly moist.

### SAVOURY GREENS

- 3 cups cooked greens (about 2 lbs.) beet tops, lettuce, spinach; or Swiss chard.
- 3 strips bacon, chopped
- ¼ cup chopped green onions
- Salt and pepper

Wash and cook greens. Meanwhile and salt, blending well. Scald milk

partially fry bacon, add green onions and cook 2 or 3 minutes. Add to hot, cooked greens, season with salt and pepper and serve at once. Yield: six servings.

### POTATO TONGUE SALAD

- ½ cup cooked salad dressing
- ¼ teaspoon curry powder
- 4 cups diced cooked potatoes
- 1 cup diced cooked tongue
- Salt and pepper to taste
- 3 green onions, chopped
- 2 hard-cooked eggs
- Lettuce

Add curry powder to salad dressing. Mix potatoes, tongue and green onions with dressing, season with salt and pepper and let stand one hour to blend flavors. Cut eggs in quarters. Serve salad on crisp lettuce leaves. Garnish with eggs. Yield: six servings (5 cups salad).

### QUICK CARAMEL CUSTARD

- 4 eggs
- 1/3 cup white sugar
- ¼ teaspoon salt
- 3 cups milk
- ½ teaspoon vanilla
- 2/3 cup light brown sugar

Beat eggs until light. Add sugar

and slowly add to egg mixture. Add flavoring. Beat custard mixture until well blended. Sift brown sugar and place it in the bottom of one large baking dish or individual moulds and pour the custard on top of it. Place the baking dish in a pan of hot water and oven-poach in a moderate oven, 350° F., until custard is firm and a silver knife inserted in the centre comes out clean. Chill. Yield: six servings.

### COCOANUT LEMON SQUARES

- ½ cup cocoanut
- ¼ cup flour
- 1 tsp. baking powder
- 2 tbsps. milk
- 1¼ cups cracker crumbs
- ½ cup sugar
- ¼ cup butter

Mix dry ingredients. Rub in butter and add milk. Put half of this mixture into large square or oblong pan and pour the following filling over it.

#### Filling:

- 1 cup boiling water
- 1 cup sugar
- Juice and rind of 1 lemon
- 1 egg
- 2 tbsps. cornstarch
- ¼ tsp. salt

Mix sugar, cornstarch and salt together and add boiling water slowly. Cook until slightly thickened and pour into beaten egg. Return to stove and cook until thickened. Add lemon juice and rind and pour onto cracker mixture. Add remainder of crumbs to cover top and bake 45 minutes at 325° F.

□ □ □

Frankfurters and macaroni go together congenially. Cut the frankfurters in thin slices and layer them in the casserole next time you make baked macaroni.

### CHEESE CHIPS



By LOUISE PRICE BELL

Grand with tea or salad.

- ¼ cup bran
- 1½ cups sifted flour
- ½ teaspoon salt
- ¼ teaspoon paprika
- Dash cayenne
- 1/3 cup shortening
- ¾ cup grated cheese
- 4 tablespoons cold water (more or less)
- Milk
- Caraway or celery seeds

Crush bran into fine crumbs; combine with flour, salt, paprika and cayenne. Cut in shortening; add cheese. Add water a little at a time, until dough is moist enough to hold together. Shape into roll 1½ inches in diameter. Wrap in waxed paper. Chill in refrigerator until firm.

Slice into ¼-inch slices. Place on well-greased baking sheet. Brush tops with milk; sprinkle with seeds. Bake in hot oven (450° F.) 12 to 15 minutes. Serve hot or cold.

Yield: 40 chips (1½ inches in diameter).



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**SENSATIONAL—THIS AD IS VALUABLE.** Any 8-exposure, roll developed and a "Double-size deckle-edge" enlargement from each negative all for 29c. Send this ad, with roll and get special price. Regular price 35c. Only one to a customer. Photo Research Lab., Department E, Drawer 370, Regina, Sask.

**6 or 8 EXPOSURE ROLLS DEVELOPED** and printed, 30c postage paid. Reprints 4c each plus new library enlargement coupon free with each roll or 8 reprints. Minimum order, 30c. Careful work and fast service. Cut Rate, Photo Service, Department E, Fox 236, Regina, Sask.

**FREE SNAPSHOTS! FREE ALBUM!** Mail this ad, and two negatives for free snapshots, complete in album. When you see these free samples you'll want more. Only one free offer to a customer. Artisto, Department 159, Drawer 220, Regina, Sask.

## SPARROW TRAPS

**DON'T FEED FILTHY SPARROWS**—Scientific trap cleans them out. Simple, easy to build plans. Free details. Satisfaction guaranteed. For information write: Farmers' Supply Co., 506, Carman, Man.

## TANNERS

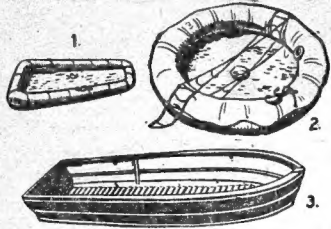
**TANNERS, Furriers, Fur Dressers** — Furs stored and repaired, robe and leather tanning. Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone E 5430.

## ATTENTION!

This ad. is addressed to a man not over age 55 who is concerned about his future security and interested in getting a business of his own. He may be too old for heavy work, or he may be a young man. Perhaps his income is uncertain or not enough to meet present-day demands. He may be discouraged, but if he has good references and a car, there is a possibility of him qualifying for better than average earnings. He should forward full personal history to the advertiser, Box 42, Farm and Ranch Review, Calgary, Alberta.



## BARGAINS In Government Surplus BOATS



1. Spitfire collapsible rubberized silk. Complete with bellow, bailer, paddles and drogue. **SALE PRICE... \$18.95**

2. 5-man collapsible rubber with full set of accessories including hand paddles, knife, bellow, anchors, rubberized nylon for awning or sail, etc. **SALE PRICE... \$35.00**

3. Collapsible 12-ft. boat with solid wooden bottom and wooden ribs covered with heavy green canvas. Cutaway back for outboard motor. Oarlocks can easily be added. Only 3 1/2" thick when collapsed. Easy to carry on top of car. **SALE PRICE... \$48.50**

The Store of War Surplus Bargains!  
Write for lists!

**RIBTOR SURPLUS SALES**  
605 - 2nd ST. E., CALGARY, Alta.

### FOLDING BENCHES — only 95c

A war surplus bargain that will serve many uses. Substantial wooden top 6' long, 10" wide, 18" high with folding legs. Suitable for community halls, churches, crew dining rooms, etc. Weight about 25 lbs. Worth far more but our price only 95c each.

**RIBTOR SURPLUS SALES**  
605 Second Street East, CALGARY, Alta.

## Skinny men, women gain 5, 10, 15 lbs.

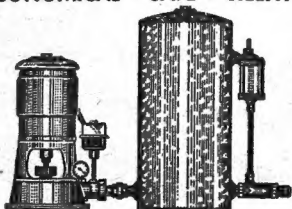
Get New Pep, Vim, Vigor

What a thrill. Bony limbs fill out, ugly hollows fill up; neck no longer scrawny; body loses half-starved, sickly "bean-pole" look. Thousands of girls, women, men, who never could gain before, are now proud of shapely, healthy-looking bodies. They thank the special vigor-building, flesh-building tonic, Ostrex. Its tonics, stimulants, invigorators, iron, vitamin B, calcium, enrich blood, improve appetite and digestion so food gives you more strength and nourishment; put flesh on bare bones. Don't fear getting too fat. Stop when you've gained the 5, 10, 15 or 20 lbs. you need for normal weight. Costs little. New "get acquainted" size only 50c. Try famous Ostrex Tonic Tablets for new vigor and added pounds, this very day. At all druggists.

## Enjoy the Magic of "Automatic Water"

FOR HOME, FARM AND INDUSTRY

•ECONOMICAL • SAFE • SILENT•



**Jacuzzi**  
SINGLE AND MULTI-STAGE  
PUMPS  
& WATER SYSTEMS  
FOR DEEP  
OR  
SHALLOW WELLS



DISTRIBUTED BY

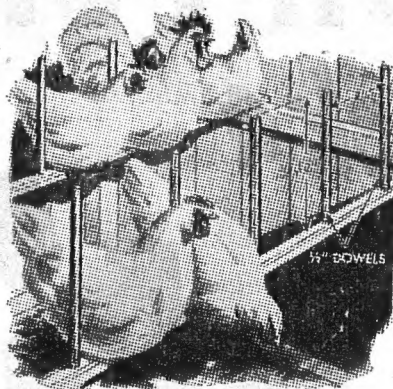
**Bruce Robinson Electric**  
CALGARY and EDMONTON-

Your local plumber can supply you.

## Handy Devices

By Courtesy of the "Popular Mechanics Magazine."

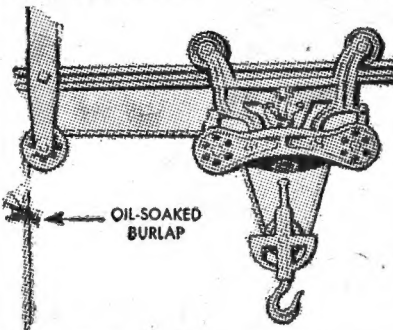
ROOSTS DIVIDED INTO STALLS  
PREVENTS CROWDING



NEARLY every poultryman has trouble at times with individual birds in his flock who crowd others from pole-type roosts. One poultryman has found that dividing the roosts in the manner shown helps prevent this trouble. Simply drill holes about 7 in. apart and insert 12 in. lengths of 1/2-in. dowel stock. The dowels will effectively keep the birds separated and provide each with an equal amount of roosting space.

★ ★

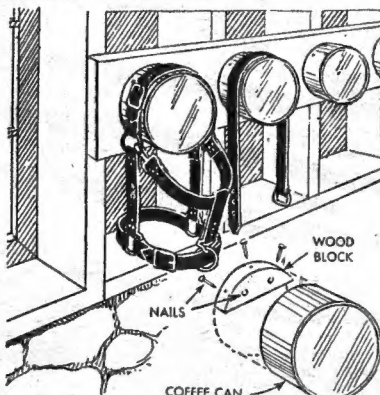
OIL-SOAKED BURLAP TIED TO  
ROPE LUBRICATED  
HAY CARRIAGE



BECAUSE of its inaccessible location, keeping a hay carriage lubricated usually is a difficult job. However, by simply tying a piece of oil-soaked burlap to the hay rope, the pulleys of the carriage and hoist are oiled automatically as the rig is used. Use a piece of burlap large enough to be compressed slightly and deposit oil when it passes between the sheaves of the pulleys. Tie the burlap to the rope about 15 or 20 ft. from the carriage.

★ ★

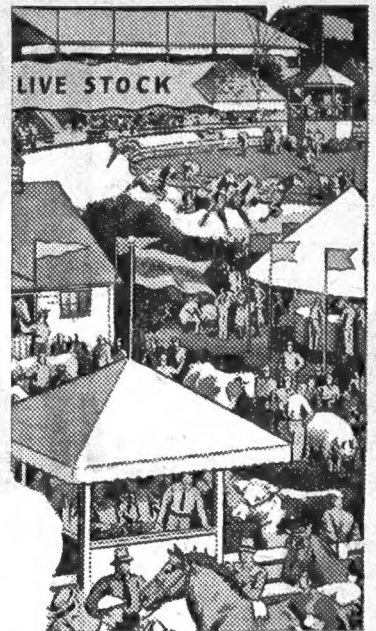
COFFEE-CAN RACK  
HOLDS HARNESS



CUT in half and mounted on a board, discarded coffee cans make handy harness racks. Unlike pegs or nails, they will not cause kinks in leather straps. To make the rack, nail a board to the barn studding and then nail on semicircular wood blocks that will fit inside the bottom half of a 1-lb. can of the vacuum-sealed type. After the cans are nailed to the blocks, paint them white so they can be seen easily.

## SUPPORT YOUR LOCAL FAIR

Your fair is of immeasurable importance to the Community. It brings folks together — reflects the bounty of the land in the produce and livestock displays — it provides good, healthy entertainment and education to young and old.



Inserted by

ALBERTA BREWERS' AGENTS LIMITED



— REPRESENTING —  
BIG HORN BREWING CO. LTD. - CALGARY BREWING & MALTING CO. LTD.  
SICKS' EDMONTON BREWERY LTD. - SICKS' LETHBRIDGE BREWERY LTD.  
NORTH WEST BREWING CO. LTD.

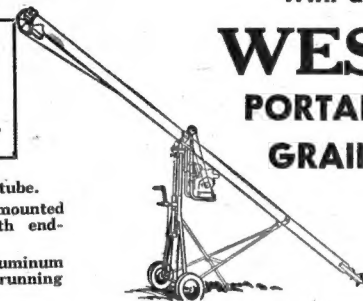
Say "Good-bye" to Slow, Costly Grain Handling!

## LOAD 20 BUS. PER MINUTE

With a 20-foot

## WESTGO PORTABLE AUGER GRAIN LOADER

- Easy to Move.
- Quick to Set.
- Simple to Run.



A MODEL FOR  
EVERY GRAIN-  
MOVING JOB!

16-gauge welded steel tube. Helicoid screw auger mounted on roller bearings with end-trussed ball bearings.

One-piece cast aluminum head with bevel gears running in grease.

Raises to 60 degree angle. Engine remains level at all heights.

Comes with swivel mounting bracket. May be equipped with movable engine platform or with portable tripod hoist and engine platform.

CAPACITY UP TO 1600 BUS. Per Hour

The WESTGO line includes: "Silver Streak" auger truck loaders in 14 and 16-foot models; Portable Auger Elevators in 21, 25, 30 and 35-foot models. These smooth running, high capacity, sturdy machines meet the demand for fast, easy and convenient handling of grain.

WRITE FOR COMPLETE DE-  
TAILS and SPECIFICATIONS  
DIRECT TO—

**Wance CO. LTD.**  
RED DEER - ALBERTA  
DISTRIBUTORS

## LOOK! U.S. FLYERS' SUN GLASSES — ORDER NOW — \$15.00 VALUE!

Do not confuse these U.S. air force type glasses with those being advertised by others (mainly disguised second hand stores) as being similar — these are the genuine article!

Brand new — as used by the members of the U.S. air force and now offered to the Canadian public at a fraction of original cost! They're reg. \$15.00 value! 5 phase optically ground lenses.

Gold-plated frames and Pearlloid sweat and nose bars. Cable end temples. These glasses eliminate 96% of the damaging ultra-violet and infra-red rays.

Smart leatherette case included. U.S. surplus accounts for the low price!



NOW ONLY  
**\$3.98**  
DELIVERED

CASE  
FREE!

Your eyes are important — wear only the best — Take advantage of this special bargain price — Order to-day!  
R90 Delivered With Case ..... **\$3.98**

**ARMY & NAVY** MAIL-ORDER **REGINA**  
DEPT. STORE LTD.



# POINT FOR POINT

...it pays to pick a

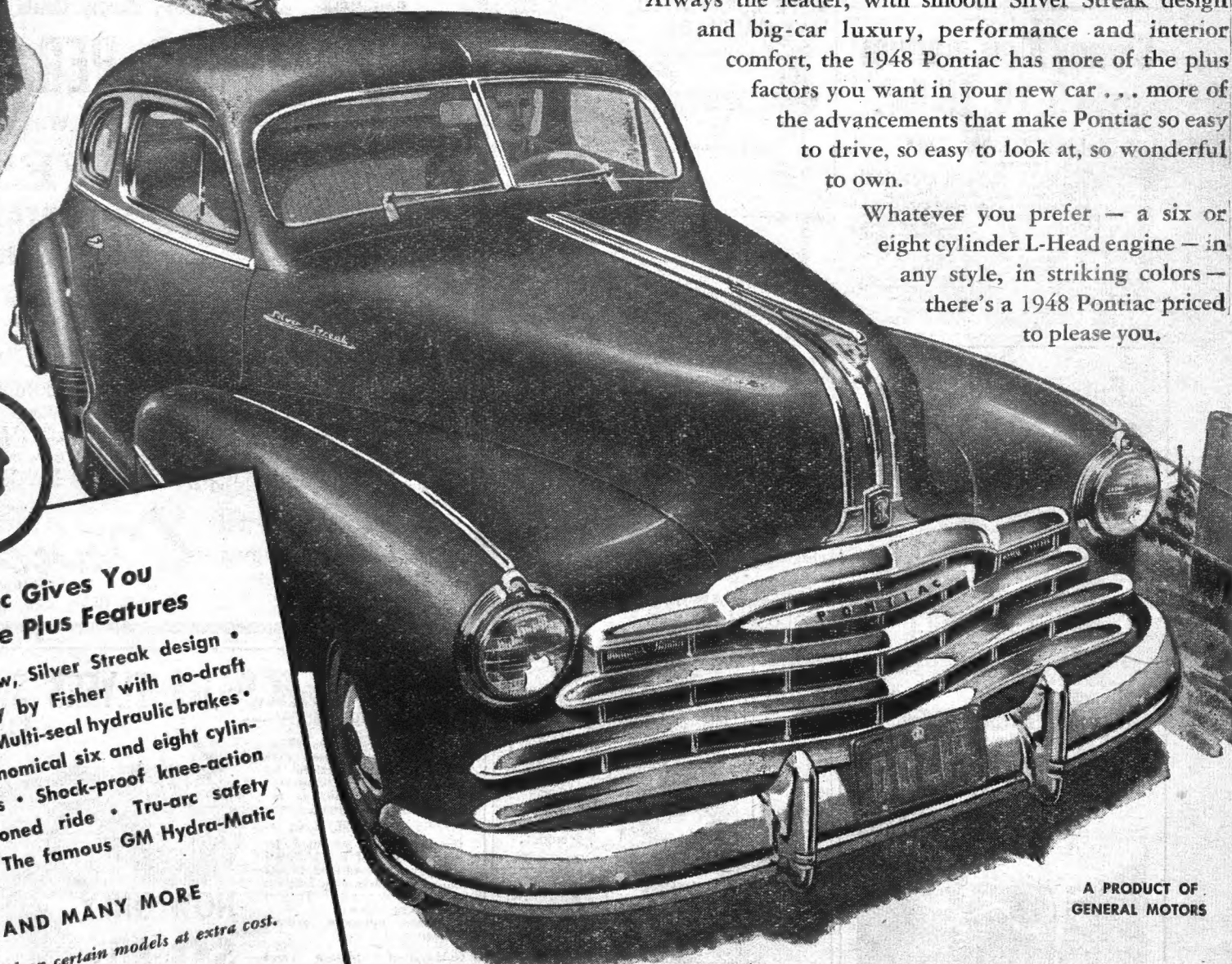
# Pontiac

Compare prices on all the low-priced cars. See what you pay for. Compare the styling, the comfort, the performance.

Point for point, it pays to pick a Pontiac.

Always the leader, with smooth Silver Streak design and big-car luxury, performance and interior comfort, the 1948 Pontiac has more of the plus factors you want in your new car . . . more of the advancements that make Pontiac so easy to drive, so easy to look at, so wonderful to own.

Whatever you prefer — a six or eight cylinder L-Head engine — in any style, in striking colors — there's a 1948 Pontiac priced to please you.



## Pontiac Gives You All These Plus Features

Distinctive new, Silver Streak design •  
Unisteel body by Fisher with no-draft  
ventilation • Multi-seal hydraulic brakes •  
Smooth, economical six and eight cylinder  
engines • Shock-proof knee-action  
triple-cushioned ride • Tru-arc safety  
steering • The famous GM Hydra-Matic  
drive\*.

AND MANY MORE

\*Optional on certain models at extra cost.

F48-P1

A PRODUCT OF  
GENERAL MOTORS

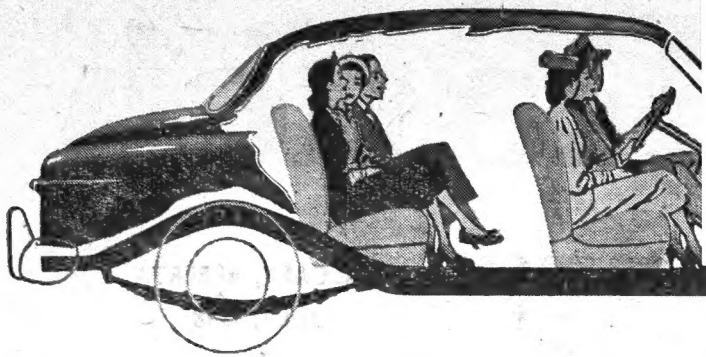
\*with the famous GM HYDRA-MATIC DRIVE

## THE FINEST CAR IN THE LOW-PRICE FIELD

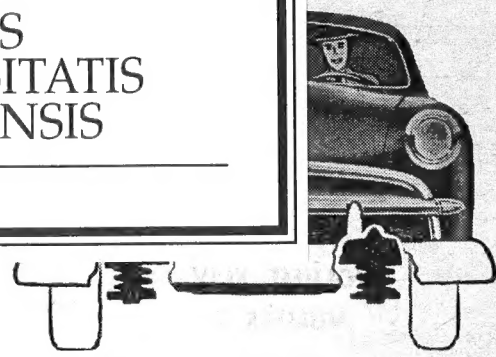




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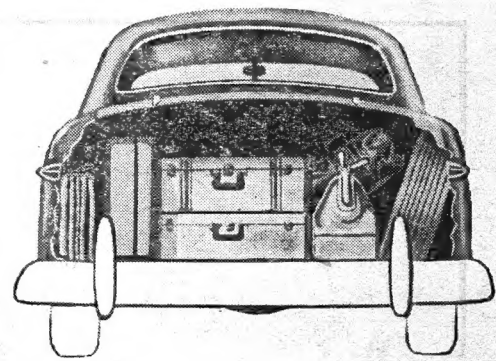
Cutaway view to show "Mid Ship" Ride . . .



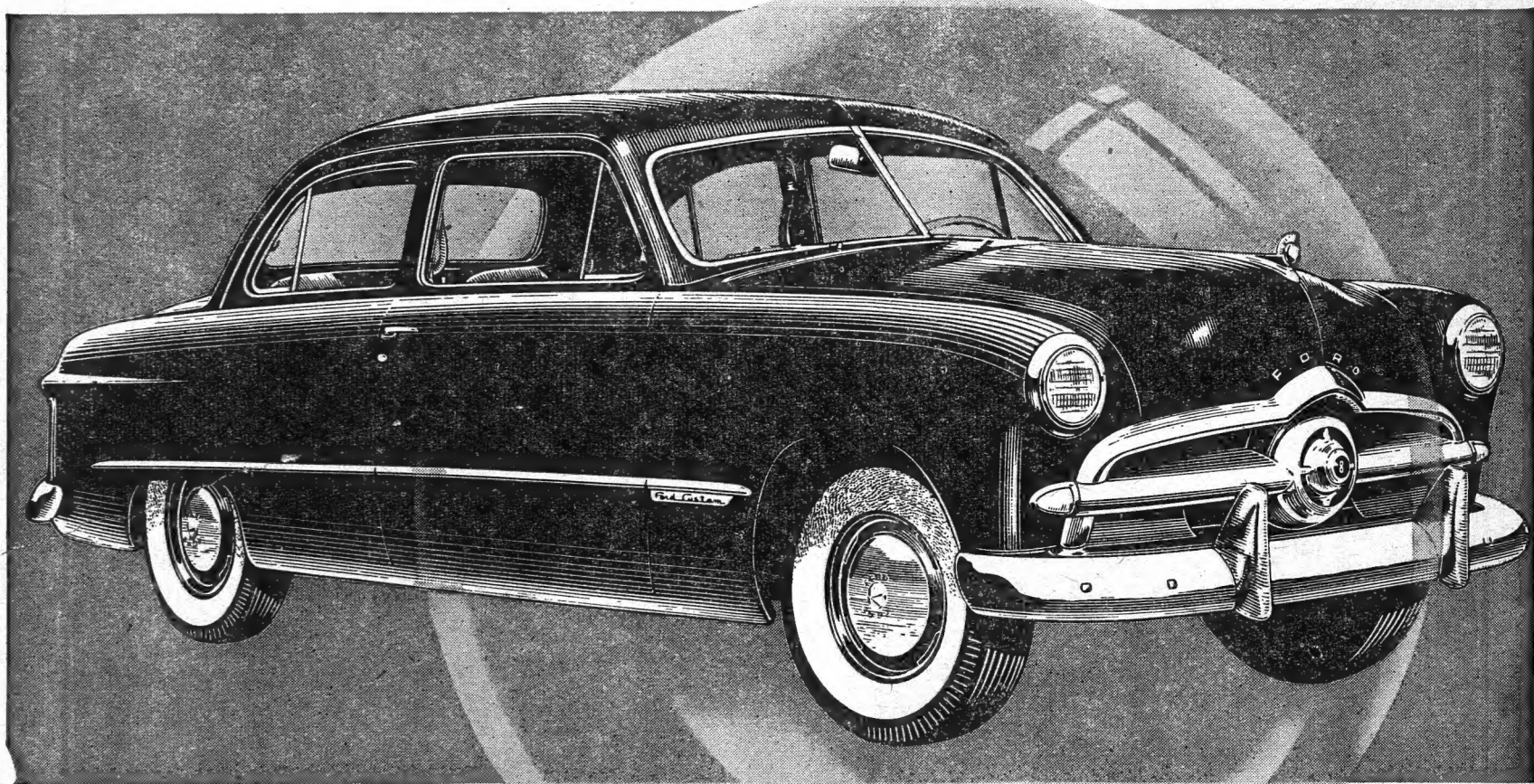
. . . "Hydra-Coil" Springs . . .

*Anyway you look...  
inside and out...it's  
The Car of the Year!*

We think you'll agree the '49 Ford has "the look of the year"! Many people say: "It looks like a custom-built automobile"! But the *inside* will thrill you, too! Seats are sofa-wide! Big "Picture Windows" all around! There's 57% more space in the new "Deep Deck" Luggage Locker. A new, 100 Hp., V-8 Engine that whisks you out ahead of the traffic and saves up to 10% on gasoline! 59% more rigid "Lifeguard" Body. New, "Hydra-Coil" Front Springs and "Para-Flex" parallel Rear Springs. New "Mid Ship" Ride. Visit your Ford Dealer and see the new Ford "Forty-Niner"! It's the car of the year!



. . . "Deep Deck" Luggage Locker



There's a NEW Ford in your future!

**'49 Ford**

*See it at your FORD dealer's*

White sidewall tires optional at extra cost when available

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